CA-IDMS®

Dictionary Structure Reference

15.0

Computer Associates

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About this manual

Purpose of this manual: This manual describes the dictionary database records, including record elements and set relationships, used by CA-IDMS. system software and can be used in conjunction with the *CA-IDMS Dictionary Diagram.*

The manual is designed to aid users in developing user-written CA-IDMS dictionary reports. The manual is also designed to help CA-OLQ users retrieve information about a CA-IDMS/DB database from the dictionary.

►► For more information on user-written reports, refer to *CA-IDMS Reports.*

►► For more information on CA-OLQ, refer to the *CA-OLQ Reference.*

Disclaimer: updating dictionary records: You should not use information provided by this manual to update the dictionary. Computer Associates International, Inc. assumes no responsibility for problems that result from changes made to the dictionary.

Organization of this document: Information in this document is organized into these chapters:

■ **Dictionary Records and Sets** (Chapter 1)

This chapter:

– Lists in order of record ID all records in the dictionary database schema

– Lists alphabetically dictionary sets with a brief description of the function of each set

– Identifies the CA-IDMS system software components that establish and maintain dictionary record and set occurrences

■ **Structural Considerations** (Chapter 2)

This chapter describes recurring record and element structures in the dictionary database

■ **Record and Element Descriptions** (Chapter 3)

This chapter provides a detailed description of each record in the dictionary database schema and a description of the data elements that comprise each record.

What is not in this document: This manual does not document the contents of:

■ The runtime areas of the dictionary:

– DDLDCLOD

– DDLCATLOD

– DDLDCLOG

– DDLDCSCR

– DDLDCRUN

■ The catalog component of the dictionary, used only for SQL processing.

►► For documentation of the catalog component of the dictionary, refer to *CA-IDMS SQL Reference*.

■ The CA-IDMS centralized security database.

►► For documentation of the security database, refer to *CA-IDMS Security Administration*.

Chapter 1. Dictionary Records and Sets

About this chapter: The CA-IDMS dictionary database contains the records and sets that define the CA-IDMS processing environment. This database is defined by the IDMSNTWK version 1 schema.

►► For a graphic illustration of the records and sets that comprise the IDMSNTWK schema, see the *CA-IDMS Dictionary Diagram*.

Dictionary record and set occurrences are established and maintained by various CA-IDMS components and tools.

This chapter provides information about the records and sets in IDMSNTWK version 1. It identifies the records and sets that are updated by each CA-IDMS component and tool.

1.1 Dictionary records

Listing by record ID: A list of the dictionary records in the IDMSNTWK schema, in order of record ID, follows. The list includes the record name, the area of the dictionary where the record is located, and the software components and tools that can update the record.

Record ID	Record name	Area name	Components and tools that update the record
010	S-010	DDLDML	IDMSDIRL; IDD DDDL compiler; CA-IDMS/DC system generation compiler; schema compiler; ASF
012	OOAK-012	DDLDML	IDMSDIRL; IDD DDDL compiler; CA-IDMS/DC system generation compiler; schema compiler
018	SA-018	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler
019	SSACALL-019	DDLDML	IDMSDIRL; subschema compiler
020	SACALL-020	DDLDML	IDMSDIRL; schema compiler
021	SENDLST-021	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
023	TASKLST-023	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
024	SSA-024	DDLDML	IDMSDIRL; subschema compiler; ASF
025	TASK-025	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
026	SS-026	DDLDML	IDMSDIRL; subschema compiler; ASF
027	DESTLST-027	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler

Record ID	Record name	Area name	Components and tools that update the record
028	DEST-028	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
029	QUEUELST-029	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
030	QUEUE-030	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
031	MODNEST-031	DDLDML	IDD DDDL compiler;
032	SSR-032	DDLDML	IDMSDIRL; subschema compiler; ASF
033	QUEUECMT-033	DDLDML	IDD DDDL compiler
034	SSOR-034	DDLDML	IDMSDIRL; subschema compiler; ASF
035	USERNEST-035	DDLDML	IDD DDDL compiler
036	SR-036	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF; CA-IDMS/DC mapping compilers
037	SFK-037	DDLDML	Schema compiler
038	SYSCMT-038	DDLDML	IDD DDDL compiler;
039	SSRCALL-039	DDLDML	IDMSDIRL; subschema compiler
040	SRCALL-040	DDLDML	IDMSDIRL; schema compiler
041	SYS-041	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler;
042	SDR-042	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF
043	SYSNEST-043	DDLDML	IDD DDDL compiler
044	SDES-044	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF

Record ID	Record name	Area name	Components and tools that update the record
045	ACCESS-045	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler; ASF; CA-OLQ
046	SOR-046	DDLDML	IDMSDIRL; schema compiler; ASF
047	USER-047	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler; schema compiler
048	USERCMT-048	DDLDML	IDD DDDL compiler
049	PROGLST-049	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler;
050	PROGCMT-050	DDLDML	IDD DDDL compiler; ASF; CA-ADS dialog compiler; DML precompilers
051	PROG-051	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler; subschema compiler; ASF; DML precompilers; CA-IDMS/DC mapping compilers; CA-ADS application compiler; CA-ADS dialog compiler
052	SMR-052	DDLDML	IDMSDIRL; schema compiler; ASF
053	PROGNEST-053	DDLDML	IDD DDDL compiler; DML precompilers
054	SCR-054	DDLDML	IDMSDIRL; schema compiler; ASF
055	MODLST-055	DDLDML	IDD DDDL compiler; ASF; DML precompilers; CA-ADS dialog compiler
056	SAM-056	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF

Record ID	Record name	Area name	Components and tools that update the record
057	AFACT-057	DDLDML	IDD DDDL compiler; DML precompilers; CA-ADS dialog compiler
058	INQ-058	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF
059	RCDACT-059	DDLDML	IDD DDDL compiler; DML precompilers; CA-ADS dialog compiler
060	SYSATTR-060	DDLDML	IDD DDDL compiler
061	SETACT-061	DDLDML	IDD DDDL compiler; DML precompilers; CA-ADS dialog compiler
062	USERELEM-062	DDLDML	IDD DDDL compiler; ASF
063	RCDCOPY-063	DDLDML	IDD DDDL compiler; ASF; DML precompilers; CA-ADS application compiler; CA-ADS dialog compiler
064	USERATTR-064	DDLDML	IDD DDDL compiler
065	PROGATTR-065	DDLDML	IDD DDDL compiler; DML precompilers
066	SSAM-066	DDLDML	IDMSDIRL; subschema compiler; ASF
067	MODULE-067	DDLDML	IDD DDDL compiler; ASF; DML precompilers; CA-OLQ
068	SSMR-068	DDLDML	IDMSDIRL; subschema compiler
069	MODATTR-069	DDLDML	IDD DDDL compiler; ASF; CA-OLQ
070	SSCR-070	DDLDML	IDMSDIRL; subschema compiler
071	FILENEST-071	DDLDML	IDD DDDL compiler
072	FILECMT-072	DDLDML	IDD DDDL compiler
073	FILEATTR-073	DDLDML	IDD DDDL compiler

Record ID	Record name	Area name	Components and tools that update the record
074	PTRM-074	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
075	FILESYN-075	DDLDML	IDD DDDL compiler
076	SSFK-076	DDLDML	Subschema compiler
077	FRSYN-077	DDLDML	IDD DDDL compiler
078	OOAKEXT-078	DDLDML	IDD DDDL compiler
079	RCDSYN-079	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; subschema compiler; ASF
080	RCDCMT-080	DDLDML	IDD DDDL compiler
081	RCDATTR-081	DDLDML	IDD DDDL compiler
082	ELEMCMT-082	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler
083	NAMESYN-083	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; subschema compiler; ASF
084	MODCMT-084	DDLDML	IDD DDDL compiler; CA-OLQ
085	ELEMSYN-085	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF
086	CLASSCMT-086	DDLDML	IDD DDDL compiler
087	ELEMNEST-087	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler
088	TEXT-088	DDLDML	IDD DDDL compiler; ASF; CA-OLQ
089	ELEMRNG-089	DDLDML	IDD DDDL compiler
090	ELEMATTR-090	DDLDML	IDD DDDL compiler
091	SSPROG-091	DDLDML	IDD DDDL compiler; ASF; DML precompilers; CA-ADS dialog compiler
092	CLASS-092	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler; schema compiler; CA-OLQ

Record ID	Record name	Area name	Components and tools that update the record
093	ATTRIBUTE-093	DDLDML	IDD DDDL compiler; CA-OLQ
094	ATTRCMT-094	DDLDML	IDD DDDL compiler
095	SSPROC-095	DDLDML	IDMSDIRL; subschema compiler
096	TASKCMT-096	DDLDML	IDD DDDL compiler
097	MAPLST-097	DDLDML	IDD DDDL compiler
098	MAP-098	DDLDML	IDD DDDL compiler; ASF; CA-IDMS/DC mapping compilers
101	DESTCMT-101	DDLDML	IDD DDDL compiler
102	DESTATTR-102	DDLDML	IDD DDDL compiler
103	LINELST-103	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
104	PTRMLST-104	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
105	LTRMLST-105	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
106	LTRM-106	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
107	LTRMCMT-107	DDLDML	IDD DDDL compiler
108	LTRMATTR-108	DDLDML	IDD DDDL compiler
109	LINE-109	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
110	LINECMT-110	DDLDML	IDD DDDL compiler
111	LINEATTR-111	DDLDML	IDD DDDL compiler
112	TASKATTR-112	DDLDML	IDD DDDL compiler
113	SRCD-113	DDLDML	IDMSDIRL; IDD DDDL compiler; schema compiler; ASF
114	USERSYS-114	DDLDML	IDD DDDL compiler

Record ID	Record name	Area name	Components and tools that update the record
115	USERLINE-115	DDLDML	IDD DDDL compiler
116	MESSAGE-116	DDLDCMSG	IDD DDDL compiler
117	DESTLTRM-117	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
118	PANEL-118	DDLDML	IDD DDDL compiler; ASF; CA-IDMS/DC mapping compilers
119	PANELCMT-119	DDLDML	IDD DDDL compiler
120	PANELATTR-120	DDLDML	IDD DDDL compiler
121	PANELFLD-121	DDLDML	CA-IDMS/DC mapping compilers
122	MAPCMT-122	DDLDML	IDD DDDL compiler
123	MAPATTR-123	DDLDML	IDD DDDL compiler
124	MAPFLD-124	DDLDML	CA-IDMS/DC mapping compilers
125	MAPRCD-125	DDLDML	ASF; CA-IDMS/DC mapping compilers
126	PROGMAP-126	DDLDML	IDD DDDL compiler; ASF; DML precompilers; CA-ADS dialog compiler
127	DCDEVICES-127	DDLDML	Established at installation time
128	PTRMCMT-128	DDLDML	IDD DDDL compiler
129	PTRMATTR-129	DDLDML	IDD DDDL compiler
130	QUEUEATTR-130	DDLDML	IDD DDDL compiler
131	USERDST-131	DDLDML	IDD DDDL compiler; CA-IDMS/DC system generation compiler
132	ATTRNEST-132	DDLDML	IDD DDDL compiler
133	USERRCD-133	DDLDML	IDD DDDL compiler; ASF
134	USERFILE-134	DDLDML	IDD DDDL compiler
135	USERPROG-135	DDLDML	IDD DDDL compiler; ASF
136	USERMOD-136	DDLDML	IDD DDDL compiler; ASF; CA-OLQ

Record ID	Record name	Area name	Components and tools that update the record
137	USERMAP-137	DDLDML	IDD DDDL compiler; ASF
138	QUEUE-DCQ-138	DDLDCRUN	Established at runtime by CA-IDMS products and user application programs that run under CA-IDMS/DC
139	SROOT-DCS-139	DDLDCRUN	Established at runtime by CA-IDMS products and user application programs that run under CA-IDMS/DC
140	SEXT-DCS-140	DDLDCRUN	Established at runtime by CA-IDMS products and user application programs that run under CA-IDMS/DC
141	RCDSYNATTR-141	DDLDML	IDD DDDL compiler; schema compiler
142	CVGDEFS-142	DDLDML	CA-IDMS/DC system generation compiler
143	LOGREC-143	DDLDCLOG	Established at runtime by the CA-IDMS/DC system
144	MSG-LINE-144	DDLDCMSG	IDD DDDL compiler
145	RCDNEST-145	DDLDML	IDD DDDL compiler
146	MSGCMT-146	DDLDCMSG	IDD DDDL compiler
147	PFLD-DATA-147	DDLDML	CA-IDMS/DC mapping compilers
148	USERPTRM-148	DDLDML	IDD DDDL compiler
149	USERLTRM-149	DDLDML	IDD DDDL compiler
150	USERDEST-150	DDLDML	IDD DDDL compiler
151	USERQUEUE-151	DDLDML	IDD DDDL compiler
152	USERTASK-152	DDLDML	IDD DDDL compiler
153	USERPANEL-153	DDLDML	IDD DDDL compiler; ASF
154	SYSMOD-154	DDLDML	IDD DDDL compiler;

Record ID	Record name	Area name	Components and tools that update the record
155	LOOAK-155	DDLDCLOD	Established by the first CA-IDMS system software component to store a load module in the dictionary
156	LOADHDR-156	DDLDCLOD	IDD DDDL compiler; CA-IDMS/DC system generation compiler; subschema compiler; CA-IDMS/DC mapping compilers; CA-ADS application compiler; CA-ADS dialog compiler
157	LOADTEXT-157	DDLDCLOD	IDD DDDL compiler; CA-IDMS/DC system generation compiler; subschema compiler; CA-IDMS/DC mapping compilers; CA-ADS application compiler; CA-ADS dialog compiler
158	LOADCTL-158	DDLDCLOD	IDD DDDL compiler; subschema compiler
159	ELEMACT-159	DDLDML	IDD DDDL compiler
160	CATENTRY-160	DDLDML	IDB Manager
161	CATNEST-161	DDLDML	IDB Manager
162	CATPASSKEY-162	DDLDML	IDB Manager
163	CATEXT-163	DDLDML	IDB Manager
164	CATRNUM-164	DDLDML	IDB Manager
170	SYSMO-170	DDLDML	CA-IDMS/DC system generation compiler
171	DPROG-171	DDLDCLOD	CA-ADS dialog compiler
172	LOADJCT-172	DDLDCLOD	CA-ADS dialog compiler
173	ATTRUSER-173	DDLDCLOD	IDD DDDL compiler
174	SYMHDR-174	DDLDCLOD	CA-ADS dialog compiler
175	SYMTEXT-175	DDLDCLOD	CA-ADS dialog compiler
176	SYMCTL-176	DDLDCLOD	CA-ADS dialog compiler
180	SCHEMAATTR-180	DDLDML	Schema compiler

Record ID	Record name	Area name	Components and tools that update the record
181	SCHEMACMT-181	DDLDML	Schema compiler
182	USERSCHEMA-182	DDLDML	Schema compiler
183	SSATTR-183	DDLDML	Subschema compiler
184	SSCMT-184	DDLDML	Subschema compiler
185	USERSS-185	DDLDML	Subschema compiler; ASF
186	NAMEDES-186	DDLDML	IDD DDDL compiler; schema compiler; subschema compiler
189	LRSSR-189	DDLDML	Subschema compiler
190	LR-190	DDLDML	Subschema compiler; ASF
191	LRVERB-191	DDLDML	Subschema compiler
192	PATHDEF-192	DDLDML	Subschema compiler
193	LRACT-193	DDLDML	IDD DDDL compiler; subschema compiler; DML precompilers; CA-ADS dialog compiler
194	LRCMT-194	DDLDML	Subschema compiler
195	MODMAP-195	DDLDML	IDD DDDL compiler; CA-IDMS/DC mapping compilers
200	SYMNAME-200	DDLDML	Schema compiler
201	SYMREC-201	DDLDML	Schema compiler
202	SYMSET-202	DDLDML	Schema compiler
1026	AREA-1026	DDLCAT	Physical database definition
1027	BUFFER-1027	DDLCAT	Physical database definition
1031	DBNAME-1031	DDLCAT	Physical database definition
1032	DBSEGMENT-1032	DDLCAT	Physical database definition
1033	DBSSC-1033	DDLCAT	Physical database definition
1034	DBTABLE-1034	DDLCAT	Physical database definition
1035	DMCL-1035	DDLCAT	Physical database definition
1036	DMCLAREA-1036	DDLCAT	Physical database definition
1037	DMCLFILE-1037	DDLCAT	Physical database definition

Record ID	Record name	Area name	Components and tools that update the record
1038	DMCLSEGMENT-1038	DDLCAT	Physical database definition
1039	FILE-1039	DDLCAT	Physical database definition
1040	FILEMAP-1040	DDLCAT	Physical database definition
1043	JOURNAL-1043	DDLCAT	Physical database definition
1047	SEGMENT-1047	DDLCAT	Physical database definition
1048	SYMBOL-1048	DDLCAT	Physical database definition

1.2 Dictionary sets

What they are: The relationships between record occurrences in the dictionary database are implemented by means of the sets defined in the IDMSNTWK version 1 schema.

Function of each set: The table below lists dictionary database sets in alphabetical order and provides a brief description of the function of each set.

Set name	Owner record	Member record	Set function
AREA-DMCLAREA	AREA-1026	DMCLAREA-1036	Overrides for area definition particular to a DMCL
AREA-FILEMAP	AREA-1026	FILEMAP-1040	Files to which the owner area is mapped
AREA-INDEX	AREA-1026	INDEX-1041	Indexes which are defined within the area
AREA-SYMBOL	AREA-1026	SYMBOL-1048	Symbolic names which are defined within the area
ATTR-ATTRCMT	ATTRIBUTE-093	ATTRCMT-094	Comments for the owner attribute
ATTR-ATTRUSER	ATTRIBUTE-093	ATTRUSER-173	Users registered or responsible for the owner attribute
ATTR-EXPL	ATTRIBUTE-093	ATTRNEST-132	Attributes associated with the owner attribute
ATTR-IMPL	ATTRIBUTE-093	ATTRNEST-132	Attributes with which the owner attribute is associated

Set name	Owner record	Member record	Set function
ATTR-JCT	ATTRIBUTE-093	SYSATTR-060 USERATTR-064 PROGATTR-065 MODATTR-069 FILEATTR-073 RCDATTR-081 ELEMATTR-090 DESTATTR-102 LTRMATTR-108 LINEATTR-111 TASKATTR-112 PANELATTR-120 MAPATTR-123 PTRMATTR-129 QUEUEATTR-130 RCDSYNATTR-141 SCHEMAATTR-180 SSATTR-183	Entities associated with the owner attribute
CATENTRY-CATEXT	CATENTRY-160	CATEXT-163	Defaults for the owner catalog entity
CATNEST-EXPL	CATENTRY-160	CATNEST-161	Catalog entities belonging to the owner catalog entity
CATNEST-IMPL	CATENTRY-160	CATNEST-161	Catalog entities to which the owner catalog entity belongs
CATPASSKEY-GIVE	CATENTRY-160	CATPASSKEY-162	Catalog entities authorized to access the owner catalog entity
CATPASSKEY-TAKE	CATENTRY-160	CATPASSKEY-162	Catalog entities that the owner catalog entity is authorized to access
CATRNUM-CATENTRY	CATRNUM-164	CATENTRY-160	Table definition number of the member object

Set name	Owner record	Member record	Set function
CLASS-ATTR	CLASS-092	ATTRIBUTE-093	Attributes belonging to the owner class; user-defined entity occurrences of the owner user-defined entity
CLASS-CLASSCMT	CLASS-092	CLASSCMT-086	Comments for the owner class
DBNAME-DBSEGMENT	DBNAME-1031	DBSEGMENT-1032	Segment names which are included in the database name table
DBNAME-DBSSC	DBNAME-1031	DBSSC-1033	Subschema names which are included in the database name table entry
DBTABLE-DBNAME	DBTABLE-1034	DBNAME-1031	Database names which are included in the database name table
DEST-DESTATTR	DEST-028	DESTATTR-102	Attributes associated with the owner destination
DEST-DESTCMT	DEST-028	DESTCMT-101	Comments for the owner destination
DEST-DESTLST	DEST-028	DESTLST-027	Systems in which the owner destination participates

Set name	Owner record	Member record	Set function
DEST-SENDLST	DEST-028	SENDLST-021	Users, logical terminals, or printers that comprise the owner destination
DEST-USERDEST	DEST-028	USERDEST-150	Users registered or responsible for the owner destination
DESTLST-DESTLTRM	DESTLST-027	DESTLTRM-117	Logical terminals included in the owner destination
DESTLST-USERDST	DESTLST-027	USERDST-131	Users included in the owner destination
DMCL-BUFFER	DMCL-1035	BUFFER-1027	Buffers included in the DMCL
DMCL-DMCLSEGMENT	DMCL-1035	DMCLSEGMENT-1038	Segments included in the DMCL
DMCL-JOURNAL	DMCL-1035	JOURNAL-1043	Journals included in the DMCL
DMCLSEG-DMCLAREA	DMCLSEGMENT-1038	DMCLAREA-1036	Area overrides applicable to the DMCL's segment
DMCLSEG-DMCLFILE	DMCLSEGMENT-1038	DMCLFILE-1037	File overrides applicable to the DMCL's segment

Set name	Owner record	Member record	Set function
DPROG-LOADJCT	DPROG-171	LOADJCT-172	Processes associated with the owner dialog load module for which a symbol table has been established
ELEMNEST-EXPL	INQ-058	ELEMNEST-087	Elements that participate in the owner group element
ELEMNEST-IMPL	INQ-058	ELEMNEST-087	Group elements in which the owner element participates
ELEMSYN-ELEMACT	ELEMSYN-085	ELEMACT-159	Programs that reference the owner element
ELEMSYN-NAMESYN	ELEMSYN-085	NAMESYN-083	Record synonyms in which the owner element synonym participates
FILE-DMCLFILE	FILE-1039	DMCLFILE-1037	DMCL file overrides for the file
FILE-FILEMAP	FILE-1039	FILEMAP-1040	Areas that are mapped to the owner file
FILENEST-EXPL	SA-018	FILENEST-071	Files related to the owner file
FILENEST-IMPL	SA-018	FILENEST-071	Files to which the owner file is related

Set name	Owner record	Member record	Set function
FILESYN-FRSYN	FILESYN-075	FRSYN-077	Record synonyms associated with the owner file synonym
INQ-ELEMATTR	INQ-058	ELEMATTR-090	Attributes associated with the owner element
INQ-ELEMCMT	INQ-058	ELEMCMT-082	Comments for the owner element
INQ-ELEMRNG	INQ-058	ELEMRNG-089	Value range for the owner element
INQ-ELEMSYN	INQ-058	ELEMSYN-085	Synonyms for the owner element
INQ-GROUPELEMSYN	INQ-058	ELEMSYN-085	Synonyms for the owner group element
INQ-SDR	INQ-058	SDR-042	Records in which the owner element participates
INQ-USERELEM	INQ-058	USERELEM-062	Users registered or responsible for the owner element
LINE-LINEATTR	LINE-109	LINEATTR-111	Attributes associated with the owner line
LINE-LINECMT	LINE-109	LINECMT-110	Comments for the owner line
LINE-LINELST	LINE-109	LINELST-103	Systems in which the owner line participates

Set name	Owner record	Member record	Set function
LINE-USERLINE	LINE-109	USERLINE-115	Users registered or responsible for the owner line
LINELST-PTRMLST	LINELST-103	PTRMLST-104	Physical terminals associated with the owner line
LOADHDR-LOADCTL	LOADHDR-156	LOADCTL-158	External references for the owner load module
LOADHDR-LOADJCT	LOADHDR-156	LOADJCT-172	Processes associated with the owner dialog load module
LOADHDR-LOADTEXT	LOADHDR-156	LOADTEXT-157	Object code for the owner load module
LOADHDR-SYMHDR	LOADHDR-156	SYMHDR-174	Symbol table load module associated with the owner dialog load module
LOOAK-LOADHDR	LOOAK-155	LOADHDR-156	Load modules established in the dictionary database
LR-LRACT	LR-190	LRACT-193	Programs that use the owner logical record
LR-LRCMT	LR-190	LRCMT-194	Comments for the owner logical record
LR-LRSSR	LR-190	LRSSR-189	Records that participate in the owner logical record

Set name	Owner record	Member record	Set function
LR-LRVERB	LR-190	LRVERB-191	DML verbs that can be issued for the owner logical record
LRVERB-PATHDEF	LRVERB-191	PATHDEF-192	Path definitions for the owner request verb
LTRM-LTRMATTR	LTRM-106	LTRMATTR-108	Attributes associated with the owner logical terminal
LTRM-LTRMCMT	LTRM-106	LTRMCMT-107	Comments for the owner logical terminal
LTRM-LTRMLST	LTRM-106	LTRMLST-105	Systems in which the owner logical terminal participates
LTRM-USERLTRM	LTRM-106	USERLTRM-149	Users registered or responsible for the owner logical terminal
LTRMLST-DESTLTRM	LTRMLST-105	DESTLTRM-117	Destinations in which the owner logical terminal participates
MAP-MAPATTR	MAP-098	MAPATTR-123	Attributes associated with the owner map
MAP-MAPCMT	MAP-098	MAPCMT-122	Comments for the owner map

Set name	Owner record	Member record	Set function
MAP-MAPFLD	MAP-098	MAPFLD-124	Map fields defined for the owner map
MAP-MAPLST	MAP-098	MAPLST-097	Systems in which the owner map participates
MAP-MODMAP	MAP-098	MODMAP-195	Help modules and tables that are used by the owner map
MAP-MAPRCD	MAP-098	MAPRCD-125	Records used by the owner map
MAP-PROGMAP	MAP-098	PROGMAP-126	Programs that use the owner map
MAP-USERMAP	MAP-098	USERMAP-137	Users registered or responsible for the owner map
MAPRCD-MAPFLD	MAPRCD-125	MAPFLD-124	Fields in the owner map record that are used in the map
MESSAGE-MSGCMT	MESSAGE-116	MSGCMT-146	Comments for the owner message
MESSAGE-MSGLINE	MESSAGE-116	MSG-LINE-144	Text associated with the owner message
MODNEST-EXPL	MODULE-067	MODNEST-031	Modules related to the owner module
MODNEST-IMPL	MODULE-067	MODNEST-031	Modules to which the owner module is related

Set name	Owner record	Member record	Set function
MODULE-ACCESS	MODULE-067	ACCESS-045	Users who have access to the owner module
MODULE-MODATTR	MODULE-067	MODATTR-069	Attributes associated with the owner module
MODULE-MODCMT	MODULE-067	MODCMT-084	Comments for the owner module
MODULE-MODLST	MODULE-067	MODLST-055	Programs that use the owner module
MODULE-MODMAP	MODULE-067	MODMAP-195	Maps using the help module or table
MODULE-SYSMOD	MODULE-067	SYSMOD-154	Systems in which the owner module participates
MODULE-TEXT	MODULE-067	TEXT-088	Source code for the owner module
MODULE-USERMOD	MODULE-067	USERMOD-136	Users registered or responsible for the owner module
NAMESYN-MAPFLD	NAMESYN-083	MAPFLD-124	Map fields that use the owner record element
NAMESYN-NAMEDES	NAMESYN-083	NAMEDES-186	INDEX KEY and INDEXED BY control information for the owner record element synonym

Set name	Owner record	Member record	Set function
OOAK-CLASS	OOAK-012	CLASS-092	Classes established in the dictionary database
OOAK-DCDEVICES	OOAK-012	DCDEVICES-127	Valid CA-IDMS/DC system device types
OOAK-OOAKEXT	OOAK-012	OOAKEXT-078	Extensions to the OOAK-012 record
OOAK-DEST	OOAK-012	DEST-028	Destinations established in the dictionary database
OOAK-INQ	OOAK-012	INQ-058	Elements established in the dictionary database
OOAK-LINE	OOAK-012	LINE-109	Lines established in the dictionary database
OOAK-LTRM	OOAK-012	LTRM-106	Logical terminals established in the dictionary database
OOAK-MAP	OOAK-012	MAP-098	Maps established in the data dictionary database
OOAK-MODULE	OOAK-012	MODULE-067	Modules established in the dictionary database
OOAK-PANEL	OOAK-012	PANEL-118	Panels established in the dictionary database

Set name	Owner record	Member record	Set function
OOAK-PROG	OOAK-012	PROG-051	Programs established in the dictionary database
OOAK-PTRM	OOAK-012	PTRM-074	Physical terminals established in the dictionary database
OOAK-QUEUE	OOAK-012	QUEUE-030	Queues defined in the dictionary database
OOAK-S	OOAK-012	S-010	Schemas established in the dictionary database
OOAK-SR	OOAK-012	SR-036	Records established in the dictionary database
OOAK-SYS	OOAK-012	SYS-041	Systems established in the dictionary database
OOAK-TASK	OOAK-012	TASK-025	Tasks established in the dictionary database
OOAK-USER	OOAK-012	USER-047	Users established in the dictionary database
PANEL-MAP	PANEL-118	MAP-098	Maps that use the owner panel
PANEL-PANELATTR	PANEL-118	PANELATTR-120	Attributes associated with the owner panel

Set name	Owner record	Member record	Set function
PANEL-PANELCMT	PANEL-118	PANELCMT-119	Comments for the owner panel
PANEL-PANELFLD	PANEL-118	PANELFLD-121	Fields defined for the owner panel
PANEL-USERPANEL	PANEL-118	USERPANEL-153	Users registered or responsible for the owner panel
PANELFLD-MAPFLD	PANELFLD-121	MAPFLD-124	Map fields that use the owner panel field
PANELFLD-PFLD	PANELFLD-121	PFLD-DATA-147	Device-dependent tables associated with the owner panel field
PROG-AFACT	PROG-051	AFACT-057	Subschema areas and IDD files accessed by the owner program
PROG-ELEMACT	PROG-051	ELEMACT-159	Elements referenced by the owner program
PROG-LRACT	PROG-051	LRACT-193	Logical records accessed by the owner program
PROG-MODLST	PROG-051	MODLST-055	Modules used by the owner program
PROG-PROGATTR	PROG-051	PROGATTR-065	Attributes associated with the owner program

Set name	Owner record	Member record	Set function
PROG-PROGCMT	PROG-051	PROGCMT-050	Comments for the owner program
PROG-PROGLST	PROG-051	PROGLST-049	Systems in which the owner program participates
PROG-PROGMAP	PROG-051	PROGMAP-126	Maps used by the owner program
PROG-RCDACT	PROG-051	RCDACT-059	Subschema records accessed by the owner program
PROG-RCDCOPY	PROG-051	RCDCOPY-063	Records copied in the owner program
PROG-SETACT	PROG-051	SETACT-061	Subschema sets accessed by the owner program
PROG-SSPROG	PROG-051	SSPROG-091	Subschemas available to the owner program
PROG-USERPROG	PROG-051	USERPROG-135	Users registered or responsible for the owner program
PROGLST-TASKLST	PROGLST-049	TASKLST-023	Tasks that invoke the owner program
PROGNEST-EXPL	PROG-051	PROGNEST-053	Programs called by the owner program

Set name	Owner record	Member record	Set function
PROGNEST-IMPL	PROG-051	PROGNEST-053	Programs that call the owner program
PTRM-PTRMATTR	PTRM-074	PTRMATTR-129	Attributes associated with the owner physical terminal
PTRM-PTRMCMT	PTRM-074	PTRMCMT-128	Comments for the owner physical terminal
PTRM-PTRMLST	PTRM-074	PTRMLST-104	Systems in which the owner physical terminal participates
PTRM-USERPTRM	PTRM-074	USERPTRM-148	Users registered or responsible for the owner physical terminal
PTRMLST-LTRMLST	PTRMLST-104	LTRMLST-105	Logical terminal associated with the owner physical terminal
QUEUE-QUEUEATTR	QUEUE-030	QUEUEATTR-130	Attributes associated with the owner queue
QUEUE-QUEUECMT	QUEUE-030	QUEUECMT-033	Comments for the owner queue
QUEUE-QUEUELST	QUEUE-030	QUEUELST-029	Systems in which the owner queue participates

Set name	Owner record	Member record	Set function
QUEUE-SROOT	QUEUE-DCQ-138	SROOT-DCS-139	Queue records that comprise the owner queue in the DDLDCRUN area
QUEUE-USERQUEUE	QUEUE-030	USERQUEUE-151	Users registered or responsible for the owner queue
RCDSYN-FRSYN	RCDSYN-079	FRSYN-077	Files in which the owner record synonym participates
RCDSYN-LRSSR	RCDSYN-079	LRSSR-189	Logical records in which the owner record synonym participates
RCDSYN-MAPRCD	RCDSYN-079	MAPRCD-125	Maps that use the owner record
RCDSYN-NAMESYN	RCDSYN-079	NAMESYN-083	Element synonyms associated with the owner record synonym
RCDSYN-RCDCOPY	RCDSYN-079	RCDCOPY-063	Programs that copy the owner record
RCDSYN-RCDSYNATT	RCDSYN-079	RCDSYNATTR-141	Attributes associated with the owner record synonym

Set name	Owner record	Member record	Set function
RCDSYN-SRCD	RCDSYN-079	SRCD-113	Schemas in which the owner record synonym participates
RCDSYN-SSR	RCDSYN-079	SSR-032	Subschemas in which the owner record participates
S-SA	S-010	SA-018	Areas included in the owner schema; IDD files established in the dictionary database
S-SCHEMAATTR	S-010	SCHEMAATTR-180	Attributes associated with the owner schema
S-SCHEMACMT	S-010	SCHEMACMT-181	Comments for the owner schema
S-SOR	S-010	SOR-046	Sets included in the owner schema
S-SRCD	S-010	SRCD-113	Records that participate in the owner schema
S-SS	S-010	SS-026	Subschemas defined for the owner schema
S-USERSCHEMA	S-010	USERSCHEMA-182	Users registered or responsible for the owner schema
SA-AFACT	SA-018	AFACT-057	Programs that access the owner IDD file

Set name	Owner record	Member record	Set function
SA-FILEATTR	SA-018	FILEATTR-073	Attributes associated with the owner IDD file
SA-FILECMT	SA-018	FILECMT-072	Comments for the owner IDD file
SA-FILESYN	SA-018	FILESYN-075	Synonyms for the owner IDD file
SA-SACALL	SA-018	SACALL-020	Database procedures invoked for the owner schema area
SA-SAM	SA-018	SAM-056	Records stored in the owner schema area
SA-SSA	SA-018	SSA-024	Subschemas that include the owner schema area
SA-SYMNAME	SA-018	SYMNAME-200	Symbolic names associated with the area
SA-USERFILE	SA-018	USERFILE-134	Users registered or responsible for the owner IDD file
SDR-NAMESYN	SDR-042	NAMESYN-083	Synonyms for the owner record element
SDR-SCR	SDR-042	SCR-054	Schema sets for which the owner record element is a sort key

Set name	Owner record	Member record	Set function
SDR-SDES	SDR-042	SDES-044	Comments, values, CA-OLQ and CA-CULPRIT headers, edit and code tables, and control information for the owner record element
SEGMENT-AREA	SEGMENT-1047	AREA-1026	Areas that are included in the segment
SEGMENT-DMCLSEG	SEGMENT-1047	DMCLSEGMENT -1038	DMCLs in which the segment is included
SEGMENT-FILE	SEGMENT-1047	FILE-1039	Files that are included in the segment
SMR-SCR	SMR-052	SCR-054	Record element that is the sort key for the set
		SFK-037	Record element that is the foreign key for the set
SMR-SFK	SMR-052	SFK-037	Foreign key elements that comprise the foreign key for the set
SOR-SMR	SOR-046	SMR-052	Records that participate as members in the owner set
SOR-SSOR	SOR-046	SSOR-034	Subschemas that include the owner schema set

Set name	Owner record	Member record	Set function
SOR-SYMSET	SOR-046	SYMSET-202	Symbolic names associated with the owner set
SR-EXPL	SR-036	RCDNEST-145	Records related to the owner record
SR-IMPL	SR-036	RCDNEST-145	Records to which the owner record is related
SR-RCDATTR	SR-036	RCDATTR-081	Attributes associated with the owner record
SR-RCDCMT	SR-036	RCDCMT-080	Comments for the owner record
SR-RCDSYN	SR-036	RCDSYN-079	Synonyms for the owner record
SR-SDR	SR-036	SDR-042	Elements that participate in the owner record
SR-USERRCD	SR-036	USERRCD-133	Users registered or responsible for the owner record
SRCD-SAM	SRCD-113	SAM-056	Schema areas in which the owner schema record is stored
SRCD-SMR	SRCD-113	SMR-052	Schema sets in which the owner schema record participates as a member

Set name	Owner record	Member record	Set function
SRCD-SOR	SRCD-113	SOR-046	Schema sets owned by the owner schema record
SRCD-SRCALL	SRCD-113	SRCALL-040	Database pro-cedures invoked for the owner schema record
SRCD-SSR	SRCD-113	SSR-032	Subschemas that include the owner schema record
SRCD-SYMREC	SRCD-113	SYMREC-201	Symbolic names associ-ated with the schema record
SROOT-SEXT	SROOT-DCS-139	SEXT-DCS-140	Extensions of the owner queue record
SS-ACCESS	SS-026	ACCESS-045	Users who have access to the owner subschema
SS-LR	SS-026	LR-190	Logical records included in the owner subschema
SS-SSA	SS-026	SSA-024	Schema areas included in the owner subschema
SS-SSATTR	SS-026	SSATTR-183	Attributes associated with the owner subschema
SS-SSCMT	SS-026	SSCMT-184	Comments for the owner subschema

Set name	Owner record	Member record	Set function
SS-SSOR	SS-026	SSOR-034	Schema sets included in the owner subschema
SS-SSPROC	SS-026	SSPROC-095	Database procedures invoked for the owner subschema
SS-SSPROG	SS-026	SSPROG-091	Programs registered to use the owner subschema
SS-SSR	SS-026	SSR-032	Schema records included in the owner subschema
SS-USERSS	SS-026	USERSS-185	Users registered or responsible for the owner subschema
SSA-AFACT	SSA-024	AFACT-057	Programs that access the owner subschema area
SSA-SSACALL	SSA-024	SSACALL-019	Database procedures invoked for the owner subschema area
SSA-SSAM	SSA-024	SSAM-066	Subschema records stored in the owner subschema area

Set name	Owner record	Member record	Set function
SSMR-SSCR	SSMR-068	SSCR-070	Record element that is the sort key for the owner subschema set
SSMR-SSFK	SSMR-068	SSFKCT-076	Foreign key elements that comprise the foreign key for the subschema set
SSOR-SETACT	SSOR-034	SETACT-061	Programs that access the owner subschema set
SSOR-SSMR	SSOR-034	SSMR-068	Subschema records that participate as members in the owner subschema set
SSPROC-SSACALL	SSPROC-095	SSACALL-019	Subschema areas for which the owner data-base procedure is invoked
SSPROC-SSRCALL	SSPROC-095	SSRCALL-039	Subschema records for which the owner data-base procedure is invoked
SSR-LRSSR	SSR-032	LRSSR-189	Logical records in which the owner subschema record partic-ipates

Set name	Owner record	Member record	Set function
SSR-RCDACT	SSR-032	RCDACT-059	Programs that access the owner subschema record
SSR-SSAM	SSR-032	SSAM-066	Subschema areas in which the owner subschema record is stored
SSR-SSMR	SSR-032	SSMR-068	Subschema sets in which the owner subschema record participates as a member
SSR-SSOR	SSR-032	SSOR-034	Subschema sets owned by the owner subschema record
SSR-SSRCALL	SSR-032	SSRCALL-039	Database procedures invoked for the owner subschema record
SYMHDR-SYMCTL	SYMHDR-174	SYMCTL-176	External references for the owner symbol table load module
SYMHDR-SYMTEXT	SYMHDR-174	SYMTEXT-175	Object code for the owner symbol table load module
SYMNAME-SYMREC	SYMNAME-200	SYMREC-201	Schema records associated with the schema symbolic name

Set name	Owner record	Member record	Set function
SYMNAME-SYMSET	SYMNAME-200	SYMSET-202	Schema sets associated with the schema symbolic name
SYS-ACCESS	SYS-041	ACCESS-045	Users who have access to the owner system
SYS-CVGDEFS	SYS-041	CVGDEFS-142	CA-IDMS/DC definitions for the owner system
SYS-DESTLST	SYS-041	DESTLST-027	Destinations that participate in the owner system
SYS-LINELST	SYS-041	LINELST-103	Lines that participate in the owner system
SYS-LTRMLST	SYS-041	LTRMLST-105	Logical terminals that participate in the owner system
SYS-MAPLST	SYS-041	MAPLST-097	Maps that participate in the owner system
SYS-PROGLST	SYS-041	PROGLST-049	Programs that participate in the owner system
SYS-PTRMLST	SYS-041	PTRMLST-104	Physical terminals that participate in the owner system
SYS-QUEUELST	SYS-041	QUEUELST-029	Queues that participate in the owner system

Set name	Owner record	Member record	Set function
SYS-SYSATTR	SYS-041	SYSATTR-060	Attributes associated with the owner system
SYS-SYSCMT	SYS-041	SYSCMT-038	Comments for the owner system
SYS-SYSMO	SYS-041	SYSMO-170	Object record for the owner system
SYS-SYSMOD	SYS-041	SYSMOD-154	Modules that participate in the owner system
SYS-TASKLST	SYS-041	TASKLST-023	Tasks that participate in the owner system
SYS-USERSYS	SYS-041	USERSYS-114	Users registered or responsible for the owner system
SYSNEST-EXPL	SYS-041	SYSNEST-043	Component systems of the owner system
SYSNEST-IMPL	SYS-041	SYSNEST-043	Systems of which the owner system is a component
TASK-TASKATTR	TASK-025	TASKATTR-112	Attributes associated with the owner task
TASK-TASKCMT	TASK-025	TASKCMT-096	Comments for the owner task
TASK-TASKLST	TASK-025	TASKLST-023	Systems in which the owner task participates

Set name	Owner record	Member record	Set function
TASK-USERTASK	TASK-025	USERTASK-152	Users registered or responsible for the owner task
TASKLST-QUEUELST	TASKLST-023	QUEUELST-029	Queues that invoke the owner task
USER-ACCESS	USER-047	ACCESS-045	Access codes (security classes) for the owner user; systems, subschemas, and modules to which the owner has access
USER-ATTRUSER	USER-047	ATTRUSER-173	Attributes for which the owner user is registered or responsible
USER-CATENTRY	USER-047	CATENTRY-160	Catalog entry for the owner user
USER-USERATTR	USER-047	USERATTR-064	Attributes associated with the owner user
USER-USERCMT	USER-047	USERCMT-048	Comments for the owner user
USER-USERDEST	USER-047	USERDEST-150	Destinations for which the owner user is registered or responsible
USER-USERDST	USER-047	USERDST-131	Destinations in which the owner user is included

Set name	Owner record	Member record	Set function
USER-USERELEM	USER-047	USERELEM-062	Elements for which the owner user is registered or responsible
USER-USERFILE	USER-047	USERFILE-134	Files for which the owner user is registered or responsible
USER-USERLINE	USER-047	USERLINE-115	Lines for which the owner user is registered or responsible
USER-USERLTRM	USER-047	USERLTRM-149	Logical terminals for which the owner user is registered or responsible
USER-USERMAP	USER-047	USERMAP-137	Maps for which the owner user is registered or responsible
USER-USERMOD	USER-047	USERMOD-136	Modules for which the owner user is registered or responsible
USER-USERPANEL	USER-047	USERPANEL-153	Panels for which the owner user is registered or responsible
USER-USERPROG	USER-047	USERPROG-135	Programs for which the owner user is registered or responsible

Set name	Owner record	Member record	Set function
USER-USERPTRM	USER-047	USERPTRM-148	Physical terminals for which the owner user is registered or responsible
USER-USERQUEUE	USER-047	USERQUEUE-151	Queues for which the owner user is registered or responsible
USER-USERRCD	USER-047	USERRCD-133	Records for which the owner user is registered or responsible
USER-USERSCHEMA	USER-047	USERSCHEMA-182	Schemas for which the owner user is registered or responsible
USER-USERSS	USER-047	USERSS-185	Subschemas for which the owner user is registered or responsible
USER-USERSYS	USER-047	USERSYS-114	Systems for which the owner user is registered or responsible
USER-USERTASK	USER-047	USERTASK-152	Tasks for which the owner user is registered or responsible
USERNEST-EXPL	USER-047	USERNEST-035	Users related to the owner user
USERNEST-IMPL	USER-047	USERNEST-035	Users to whom the owner user is related

1.3 CA-IDMS components and tools

What they are: The CA-IDMS components and tools that update the dictionary are:

- **CA-IDMS Directory Load Utility** — Loads into the dictionary the schema and subschema definitions used by CA-IDMS software components and tools

- **IDD DDDL compiler** — Compiles DDDL statements

- **CA-IDMS/DC system generation compiler** — Processes system generation statements

- **Schema compiler** — Compiles schema DDL statements

- **CA-IDMS Command Facility** — Submits physical database definition statements for compilation

- **Subschema compiler** — Compiles subschema DDL statements

- **IDB Manager** — Controls the Information Database environment

- **CA-IDMS Automatic System Facility** — Processes management of data tables in a non-SQL-defined CA-IDMS/DB database

- **DML precompilers** — Process Assembler, COBOL, FORTRAN, PL/I, and RPG II requests for database services

- **CA-IDMS/DC mapping compilers** — Process map descriptions

- **CA-ADS compilers** — Generate CA-ADS applications and dialogs

- **CA-OLQ** — Provides access to information stored in a non-SQL-defined CA-IDMS/DB database

The rest of this chapter identifies the dictionary records and sets that these software components and tools can update.

1.3.1 CA-IDMS Directory Load Utility

Loading the IDMSNTWK schema: The CA-IDMS Directory Load Utility (IDMSDIRL) performs a schema compile to add to the dictionary database the element, record, and set occurrences that define the dictionary itself. IDMSDIRL loads into the dictionary:

- The IDMSNTWK version 1 schema, the schema for the dictionary database

- The IDMSNWKG global subschema, a view of these dictionary database areas:

    - DDLDML

    - DDLDCLOD

    - DDLDCMSG

    - DDLCAT

    - DDLCATX

- The IDMSNWKA subschema, a view of these dictionary database areas:

    – DDLDML

    – DDLDCLOD

    – DDLDCMSG

- Schemas and subschemas used by CA-IDMS centralized security

    ►► For information about security schemas and subschemas, refer to *CA-IDMS Security Administration*.

►► For more information on IDMSDIRL, refer to *CA-IDMS Utilities*.

Records updated by IDMSDIRL: IDMSDIRL is run against a dictionary that has been initialized by IDD and that does not already contain the IDMSNTWK schema. The following table lists the records that are updated by IDMSDIRL.

Record function	Record name
Schema (4 occurrences, one for each combination of schema and subschema listed above)	S-010
Schema area (one occurrence for each of the dictionary areas)	SA-018
Schema area database procedure	SACALL-020
Record (one occurrence for each record type in the dictionary, plus three occurrences for system internal record types)	SR-036
Record synonym (one occurrence with the primary record name for each record type)	RCDSYN-079
Element	INQ-058
Element comments and values	ELEMCMT-082
Element groupings (nests)	ELEMNEST-087
Element synonym (an occurrence of this record also exists for each primary element name)	ELEMSYN-085
Record element	SDR-042
Record element comments, values, CA-CULPRIT and CA-OLQ headers, and edit and code tables	SDES-044
Record element synonym	NAMESYN-083
Schema record	SRCD-113
Schema record CALC key	SCR-054

Record function	Record name
Schema record database procedure	SRCALL-040
Schema record/area mapping	SAM-056
Schema set — owner information (set owner is owner of SRCD-SOR set)	SOR-046
Schema set — member information (set member is owner of SRCD-SMR set)	SMR-052
Schema set sort key	SCR-054
Subschema (one occurrence: IDMSNWKA)	SS-026
Subschema database procedure	SSPROC-095
Subschema area	SSA-024
Subschema area database procedures	SSACALL-019
Subschema record	SSR-032
Subschema record CALC key	SSCR-070
Subschema record database procedure	SSRCALL-039
Subschema record/area mapping	SSAM-066
Subschema set — owner information (set owner is owner of SSR-SSOR set)	SSOR-034
Subschema set — member information (set member is owner of SSR-SSMR set)	SSMR-068
Subschema set sort key	SSCR-070
One-of-a-kind record	OOAK-012

1.3.2 IDD DDDL compiler

Data Dictionary Definition Language: The Data Dictionary Definition Language (DDDL) is the source language used to update definitions in the data dictionary. The user submits DDDL source statements to the IDD DDDL compiler. The compiler processes the statements and modifies dictionary record and set occurrences accordingly.

Records updated by the DDDL compiler: The following table lists the records that can be updated by the IDD DDDL compiler and indicates the DDDL statements that update each record. For more information on the IDD DDDL compiler, refer to *IDD DDDL Reference*.

Record function	Record name	DDDL statements
Compiler processing options	**OOAK-012**	**SET OPTIONS**

Record function	Record name	DDDL statements
Entity syntax for:		**MODIFY ENTITY**
User-defined comment keys	ATTRIBUTE-093	USER DEFINED NEST
User-defined relational keys	ATTRNEST-132	USER DEFINED COMMENT
Attribute	**ATTRIBUTE-093**	**ATTRIBUTE**
Attribute comments	ATTRCMT-094	COMMENTS, DEFINITION, or comment key
Attribute/attribute relationship	ATTRNEST-132	Class/attribute or relational key
Attribute/destination relationship	DESTATTR-102	DESTINATION IS destination occurrence
Attribute/element relationship	ELEMATTR-090	ELEMENT IS element occurrence
Attribute/entry point relationship	PROGATTR-065	ENTRY POINT IS entry point occurrence
Attribute/file relationship	FILEATTR-073	FILE IS file occurrence
Attribute/line relationship	LINEATTR-111	LINE IS line occurrence
Attribute/logical terminal relationship	LTRMATTR-108	LOGICAL-TERMINAL IS logical terminal occurrence
Attribute/map relationship	MAPATTR-123	MAP IS map occurrence
Attribute/module relationship	MODATTR-069	MODULE IS module occurrence
Attribute/panel relationship	PANELATTR-120	PANEL IS panel occurrence
Attribute/physical terminal relationship	PTRMATTR-129	PHYSICAL-TERMINAL IS physical terminal occurrence
Attribute/process relationship	MODATTR-069	PROCESS IS process occurrence
Attribute/program relationship	PROGATTR-065	PROGRAM IS program occurrence
Attribute/qfile relationship	MODATTR-069	QFILE IS qfile occurrence
Attribute/queue relationship	QUEUEATTR-130	QUEUE IS queue occurrence

Record function	Record name	DDDL statements
Attribute/record relationship	RCDATTR-081	RECORD IS record occurrence
Attribute/record synonym relationship	RCDSYNATTR-141	RECORD SYNONYM IS record synonym occurrence
Attribute/report relationship	RCDATTR-081	REPORT IS report occurrence
Attribute/system relationship	SYSATTR-060	SYSTEM IS system occurrence
Attribute/table relationship	MODATTR-069	TABLE IS table occurrence
Attribute/task relationship	TASKATTR-112	TASK IS task occurrence
Attribute/transaction relationship	RCDATTR-081	TRANSACTION IS transaction occurrence
Attribute/user relationship	USERATTR-064	USER-ENTITY IS user occurrence
Attribute/user relationship (registered or responsible)	ATTRUSER-173	USER
Class	**CLASS-092**	**CLASS**
Class comments	CLASSCMT-086	COMMENTS, DEFINITION, or comment key
Destination	**DEST-028**	**DESTINATION**
Destination comments	DESTCMT-101	COMMENTS, DEFINITION, or comment key
Destination components	SENDLST-021	DC OPTION
Destination/attribute relationship	DESTATTR-102	Class/attribute
Destination/system relationship	DESTLST-027 USERDST-131 DESTLTRM-117	`WITHIN SYSTEM` `CONNECT USER` `CONNECT LOGICAL` `   TERMINAL`
Destination/user relationship	USERDEST-150	USER
Element	**INQ-058**	ELEMENT (also established by COBOL record element substatement)

Record function	Record name	DDDL statements
Element comments	ELEMCMT-082	COMMENTS, DEFINITION, or comment key
Element groupings	ELEMNEST-087	SUBORDINATE ELEMENTS
Element ranges	ELEMRNG-089	RANGE
Element synonym (an occurrence of this record also exists with the primary element name)	ELEMSYN-085	ELEMENT NAME SYNONYM (also established by COBOL record element substatement)
Element values	ELEMCMT-082	VALUE
Element/attribute relationship	ELEMATTR-090	Class/attribute
Element/element relationship	ELEMNEST-087	SAME AS ELEMENT or relational key
Element/user relationship	USERELEM-062	USER
Entry point	PROG-051	ENTRY POINT
Entry point comments	PROGCMT-050	COMMENTS, DEFINITION, or comment key
Entry point/attribute relationship	PROGATTR-065	Class/attribute
Entry point/user relationship	USERPROG-135	USER
File	**SA-018**	**FILE**
File comments	FILECMT-072	COMMENTS, DEFINITION, or comment key
File synonym (an occurrence of this record also exists with the primary file name)	FILESYN-075	FILE NAME SYNONYM
File/attribute relationship	FILEATTR-073	Class/attribute
File/file relationship	FILENEST-071	SAME AS FILE, RELATED FILE, or relational key
File/user relationship	USERFILE-134	USER
Line	**LINE-109**	**LINE**
Line comments	LINECMT-110	COMMENTS, DEFINITION, or comment key

Record function	Record name	DDDL statements
Line/attribute relationship	LINEATTR-111	Class/attribute
Line/system relationship	LINELST-103	WITHIN SYSTEM
Line/user relationship	USERLINE-115	USER
Load module global information	**LOADHDR-156**	**LOAD MODULE**
Load module object text	LOADTEXT-157	OBJECT DECK FOLLOWS
Load module relocation information for address constants	LOADCTL-158	Established by information contained in the object deck
Logical terminal	**LTRM-106**	**LOGICAL-TERMINAL**
Logical terminal comments	LTRMCMT-107	COMMENTS, DEFINITION, or comment key
Logical terminal/attribute relationship	LTRMATTR-108	Class/attribute
Logical terminal/system relationship	LTRMLST-105	WITHIN SYSTEM (PHYSICAL-TERMINAL clause connects PTRMLST-LTRMLST set)
Logical terminal/user relationship	USERLTRM-149	USER
Map	**MAP-098**	**MAP**
Map comments	MAPCMT-122	COMMENTS, DEFINITION, or comment key
Map/attribute relationship	MAPATTR-123	Class/attribute
Map/module relationship	MODMAP-195	TABLE is MODULE is
Module/map relationship	MODMAP-195	MAP is
Map/system relationship	MAPLST-097	WITHIN SYSTEM
Map/user relationship	USERMAP-137	USER
Message	**MESSAGE-116**	**MESSAGE**
Message comments	MSGCMT-146	COMMENTS, DEFINITION, or comment key

Record function	Record name	DDDL statements
Message text line	MSG-LINE-144	TEXT LINE
Module	**MODULE-067**	**MODULE**
Module comments	MODCMT-084	COMMENTS, DEFI-NITION, or comment key
Module source lines	TEXT-088	MODULE SOURCE FOLLOWS
Module/attribute relationship	MODATTR-069	LANGUAGE, MODE, or class/attribute
Module/module relationship	MODNEST-031	SAME AS MODULE or relational key
Module/system relationship	SYSMOD-154	WITHIN SYSTEM
Module/user relationship	USERMOD-136	USER
Panel	**PANEL-118**	**PANEL**
Panel comments	PANELCMT-119	COMMENTS, DEFI-NITION, or comment key
Panel/attribute relationship	PANELATTR-120	Class/attribute
Panel/user relationship	USERPANEL-153	USER
Physical terminal	**PTRM-074**	**PHYSICAL-TERMINAL**
Physical terminal comments	PTRMCMT-128	COMMENTS, DEFI-NITION, or comment key
Physical terminal/attribute relationship	PTRMATTR-129	Class/attribute
Physical terminal/system relationship	PTRMLST-104	WITHIN SYSTEM (LINE clause connects LINELST-PTRMLST set)
Physical terminal/user relation-ship	USERPTRM-148	USER
Process — see Module		
Program	**PROG-051**	**PROGRAM**
Program comments	PROGCMT-050	COMMENTS, DEFI-NITION, REMARKS, or comment key

Record function	Record name	DDDL statements
Program entry point (owned by main program in PROGNEST-EXPL set; owned by entry point in PROGNEST-IMPL set)	PROGNEST-053	ENTRY POINT NAME
Program/attribute relationship	PROGATTR-065	LANGUAGE, MODE, or class/attribute
Program/element relationship	ELEMACT-159	ELEMENT
Program/file relationship (member of SA-AFACT set)	AFACT-057	FILE
Program/logical record relationship	LRACT-193	LOGICAL RECORD
Program/map relationship	PROGMAP-126	MAP USED
Program/module relationship	MODLST-055	MODULE USED
Program/program relationship	PROGNEST-053	SAME AS PROGRAM or relational key
Program/record relationship	RCDCOPY-063	RECORD COPIED or RECORD USED
Program/subprogram relationship (owned by calling program in PROGNEST-EXPL set; owned by called program in PROGNEST-IMPL set)	PROGNEST-053	PROGRAM CALLED
Program/subschema relationship	SSPROG-091	SUBSCHEMA
Program/subschema area relationship (member of SSA-AFACT set)	AFACT-057	AREA
Program/subschema record relationship	RCDACT-059	RECORD
Program/subschema set relationship	SETACT-061	SET
Program/system relationship	PROGLST-049	WITHIN SYSTEM
Program/user relationship	USERPROG-135	USER
Qfile — see Module		
Queue	**QUEUE-030**	**QUEUE**

Record function	Record name	DDDL statements
Queue comments	QUEUECMT-033	COMMENTS, DEFI-NITION, or comment key
Queue/attribute relationship	QUEUEATTR-130	Class/attribute
Queue/system relationship	QUEUELST-029	WITHIN SYSTEM (THRESHOLD TASK clause connects TASKLST-QUEUELST set)
Queue/user relationship	USERQUEUE-151	USER
Record	**SR-036**	**RECORD**
Record comments and CA-CULPRIT and CA-OLQ headers	RCDCMT-080	COMMENTS, DEFI-NITION, OLQ HEADER, CULPRIT HEADER, or comment key
Record synonym (an occurrence of this record also exists with the primary record name)	RCDSYN-079	RECORD NAME SYNONYM or VIEW ID substatement
Record synonym/attribute relationship	RCDSYNATTR-141	LANGUAGE
Record synonym/file synonym relationship	FRSYN-077	FOR FILE SYNONYM
Record/attribute relationship	RCDATTR-081	LANGUAGE, MODE, or class/attribute
Record/file relationship	SAM-056 FRSYN-077	WITHIN FILE
Record/record relationship	RCDNEST-145	SAME AS RECORD or relational key
Record/schema relationship (connected to 'NON IDMS' schema)	SRCD-113	RECORD
Record/user relationship	USERRCD-133	USER
Record element	**SDR-042**	**RECORD ELEMENT substatement** or COBOL record element substatement

Record function	Record name	DDDL statements
Record element comments and CA-CULPRIT and CA-OLQ headers	SDES-044	COMMENTS, DEFI-NITION, OLQ HEADER, CULPRIT HEADER, or comment key
Record element edit and code tables	SDES-044	EDIT TABLE or CODE TABLE
Record element INDEX KEY and INDEXED BY field name	NAMEDES-186	INDEX KEY or INDEXED BY
Record element synonym	NAMESYN-083	ELEMENT NAME SYNONYM
Record element values	SDES-044	VALUE
Report — see Record		
Screen — see Panel		
Subsystem — see System		
System	**SYS-041**	**SYSTEM**
System comments	SYSCMT-038	COMMENTS, DEFI-NITION, or comment key
System/attribute relationship	SYSATTR-060	Class/attribute
System/system relationship	SYSNEST-043	SAME AS SYSTEM, WITHIN SYSTEM, or relational key
System/user relationship	USERSYS-114	USER
Table	**MODULE-067**	**TABLE**
Table comments	MODCMT-084	COMMENTS, DEFI-NITION, or comment key
Table data type	MODCMT-084	TABLE/ENCODE DATA
Table load module Program definition of table load module	LOADHDR-156 LOADTEXT-157 LOADCTL-158 PROG-051	GENERATE
Table order	MODCMT-084	TABLE IS SORTED/UNSORTED
Table search method	MODCMT-084	SEARCH

Record function	Record name	DDDL statements
Table type	MODCMT-084	TYPE
Table value	MODCMT-084	VALUES
Table value duplication	MODCMT-084	DUPLICATES
Table/attribute relationship	MODATTR-069	LANGUAGE, MODE, or class/attribute
Table/system relationship	SYSMOD-154	WITHIN SYSTEM
Table/table relationship	MODNEST-031	SAME AS TABLE or relational key
Table/user relationship	USERMOD-136	USER
Task	**TASK-025**	**TASK**
Task comments	TASKCMT-096	COMMENTS, DEFI-NITION, or comment key
Task/attribute relationship	TASKATTR-112	Class/attribute
Task/system relationship	TASKLST-023	WITHIN SYSTEM (INVOKES PROGRAM clause connects TASKLST-PROGLST set)
Task/user relationship	USERTASK-152	USER
Transaction — see Record		
User	**USER-047**	**USER**
User access to file	USERFILE-134	ACCESS TO FILE
User access to qfile (member of MODULE-ACCESS set)	ACCESS-045	ACCESS TO QFILE
User access to subschema (member of SS-ACCESS set)	ACCESS-045	ACCESS TO SUBSCHEMA (SIGNON QFILE clause connects MODULE-ACCESS set)
User access to system (member of SYS-ACCESS set)	ACCESS-045	ACCESS TO SYSTEM
User comments	USERCMT-048	COMMENTS, DEFI-NITION, or comment key
User signon profile (member of MODULE-ACCESS set)	ACCESS-045	SIGNON PROFILE

Record function	Record name	DDDL statements
User/attribute relationship	USERATTR-064	Class/attribute
User/system relationship	USERSYS-114	OF SYSTEM
User/user relationship	USERNEST-035	SAME AS USER, WITHIN USER, or relational key

User-defined entities — see
Class

Note: The following records, if they do not already exist in the dictionary, will be established at the first execution of the IDD DDDL compiler:

- OOAK-012 (one-of-a-kind record)

- S-010 (one occurrence: 'NON IDMS' version 1)

- CLASS-092 (two occurrences: LANGUAGE and MODE)

- USER-047 (one occurrence: 'CULL DBA')

- CATENTRY-160, CATNEST-161, CATPASSKEY-162 (basic IDB catalog occurrences)

1.3.3 CA-IDMS/DC system generation compiler

What it does: The CA-IDMS/DC system generation compiler is used to generate and maintain CA-IDMS/DC systems. The compiler reads source system generation statements and populates the dictionary with the applicable source and object records.

Source records: One source record is created for each CA-IDMS/DC entity defined, including each system. Source records for system components exist independently of the systems in which the components participate. For each system component, one object record is created for each system in which it participates. Object records contain a copy of the information in the corresponding source record and are used for runtime execution.

Note: Object records are unavailable for runtime execution until the user submits a GENERATE statement for the applicable system. GENERATE establishes set connections between object records and flags the object records as executable.

►► For more information on the CA-IDMS/DC system generation compiler, refer to *CA-IDMS System Generation*.

Records updated by the system generation compiler: The table below lists the records that can be updated by the CA-IDMS/DC system generation compiler and indicates the system generation statements that update each record.

Record function	Record name	System generation statement
System — source	SYS-041	SYSTEM
System — object	SYSMO-170	GENERATE
CA-ADS options	CVGDEFS-142	ADSO
Alternate map table	CVGDEFS-142	MAPTYPE
Autotask	CVGDEFS-142	AUTOTASK
Destination — source	DEST-028	DESTINATION (GENERATE statement connects LTRMLST-DESTLTRM set and USER-USERDST set)
Destination — object	DESTLST-027	
Destination components — source	SENDLST-021	
Destination component logical terminal or printer — object	DESTLTRM-117	
Destination component user — object	USERDST-131	
IDD usage mode	CVGDEFS-142	IDD
Keys table	CVGDEFS-142	KEYS
Line — source	LINE-109	LINE
Line — object	LINELST-103	
Logical terminal — source	LTRM-106	LTERM (GENERATE statement connects PTRMLST-LTRMLST set)
Logical terminal — object	LTRMLST-105	
Online mapping options	CVGDEFS-142	Mapping facility
CA-OLQ options	CVGDEFS-142	CA-OLQ
Physical terminal — source	PTRM-074	PTERM (GENERATE statement connects LINELST-PTRMLST set)
Physical terminal — object	PTRMLST-104	

Record function	Record name	System generation statement
Program — source	PROGLST-049	PROGRAM
Program — object	PROG-051	
Program defaults (one occurrence: 0DEFAULT, where 0 is hexadecimal 00)	PROG-051	DEFAULT PER-MANENT
Program registration	CVGDEFS-142	IDMS PROGRAM (reserved for tele-processing interface definitions)
Queue — source	QUEUE-030	QUEUE (GEN-ERATE statement connects TASKLST-QUEUELST set)
Queue — object	QUEUELST-029	
Secondary storage pool	CVGDEFS-142	STORAGE POOL or XA STORAGE POOL
Task — source	TASK-025	TASK (GEN-ERATE statement connects PROGLST-TASKLST set)
Task — object	TASKLST-023	

Note: The following records, if they do not already exist in the dictionary, will be established at the first execution of the system generation compiler:

- OOAK-012 (one-of-a-kind record)

- S-010 (one occurrence: 'NON IDMS' version 1)

- CLASS-092 (two occurrences: LANGUAGE and MODE)

- USER-047 (one occurrence: 'CULL DBA')

- CATENTRY-160, CATNEST-161, CATPASSKEY-162 (basic IDB catalog occur-rences)

Sets updated by the system generation compiler: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by the system generation compiler:

Set name	Owner	Member
OOAK-SYS	OOAK-012	SYS-041
SYS-CVGDEFS	SYS-041	CVGDEFS-142
SYS-LINELST	SYS-041	LINELST-103
SYS-PTRMLST	SYS-041	PTRMLST-104
SYS-LTRMLST	SYS-041	LTRMLST-105
LTRMLST-DESTLTRM	LTRMLST-105	DESTLTRM-117
DESTLST-DESTLTRM	DESTLST-027	DESTLTRM-117
SYS-DESTLST	SYS-041	DESTLST-027
SYS-PROGLST	SYS-041	PROGLST-049
OOAK-PROG	OOAK-012	PROG-051
PROG-PROGLST	PROG-051	PROGLST-049
SYS-QUEUELST	SYS-041	QUEUELST-029
SYS-TASKLST	SYS-041	TASKLST-023
PROGLST-TASKLST	PROGLST-049	TASKLST-023
SYS-SYSMO	SYS-041	SYSMO-170
LINE-LINELST	LINE-109	LINELST-103
LINELST-PTRMLST	LINELST-103	PTRMLST-104
PTRM-PTRMLST	PTRM-074	PTRMLST-104
PTRMLST-LTRMLST	PTRMLST-104	LTRMLST-105
DEST-SENDLST	DEST-028	SENDLST-021
DEST-DESTLST	DEST-028	DESTLST-027
QUEUE-QUEUELST	QUEUE-030	QUEUELST-029
TASKLST-QUEUELST	TASKLST-023	QUEUELST-029
TASK-TASKLST	TASK-025	TASKLST-023
LOADHDR-LOADTEXT	LOADHDR-156	LOADTEXT-157
OOAK-LINE	OOAK-012	LINE-109
OOAK-PTRM	OOAK-012	PTRM-074
OOAK-LTRM	OOAK-012	LTRM-106
OOAK-DEST	OOAK-012	DEST-028
OOAK-QUEUE	OOAK-012	QUEUE-030
OOAK-TASK	OOAK-012	TASK-025

1.3.4 Schema compiler

Data Description Language: The schema compiler processes Data Description Language (DDL) source statements that define CA-IDMS network schemas. The compiler populates the dictionary with record and set occurrences that maintain schema and schema component definitions.

►► For more information on the schema compiler, refer to the *CA-IDMS Database Administration*.

Updating subschemas: When the user submits a REGENERATE statement, the schema compiler invokes the subschema compiler to update the applicable subschema definitions and to regenerate subschema load modules.

►► For information about the records and sets updated by the subschema compiler, see 1.3.6, "Subschema compiler" on page 1-65 later in this chapter.

Records updated by the schema compiler: The table below lists the records that can be updated by the schema compiler and indicates the DDL statements that update each record.

Record function	Record name	Schema DDL statements
Schema	S-010	SCHEMA
Schema comments	SCHEMACMT-181	COMMENTS
Schema/ attribute relationship	SCHEMAATTR-180	Class/ attribute
Schema/ user relationship	USERSCHEMA-182	USER
Schema area	SA-018	AREA
Schema area database procedure	SACALL-020	CALL
Schema area symbols	SYMNAME-200	SUBAREA or DISPLACEMENT USING or INDEX USING
Schema record Record (established only if no SHARE clause is included in the RECORD statement)	SRCD-113 SR-036	RECORD

Record function	Record name	Schema DDL statements
Record synonym (an occurrence of this record also exists with the primary record name)	RCDSYN-079	RECORD SYNONYM NAME
Record synonym language	RCDSYNATTR-141	FOR language
Schema record CALC key	SMR-052 SCR-054	LOCATION MODE CALC or VSAM CALC
Schema record database procedure	SRCALL-040	CALL
Schema record/ area mapping	SAM-056	WITHIN AREA
Schema record symbols	SYMREC-201	SUBAREA or DIS-PLACE-MENT USING
Record element	SDR-042	ELEMENT (also established by COPY ELE-MENTS statement)
Record element comments	SDES-044	COM-MENTS
Record element CA-CULPRIT and CA-OLQ headers	SDES-044	CULPRIT HEADER or OLQ HEADER
Record element INDEX KEY and INDEXED BY field name	NAMEDES-186	INDEX KEY or INDEXED BY
Record element synonym (an occurrence of this record also exists with the primary record element name)	NAMESYN-083	SYNONYM NAME
Record element values	SDES-044	VALUE

Record function	Record name	Schema DDL statements
Element	INQ-058 ELEMNEST-087 ELEMSYN-085	
Element groupings		
Element synonym (an occurrence of this record also exists with the primary element name)		
Element values	ELEMCMT-082	Established by ELEMENT statement if the element does not already exist
Schema set — owner information (set owner is owner of SRCD-SOR set)	SOR-046	SET OWNER
Schema set — member information (set member is owner of SRCD-SMR set)	SMR-052	MEMBER
Schema set sort key	SCR-054	ASCENDING/ DESCENDING KEY
Schema set foreign key	SFK-037	FOREIGN KEY
Schema set symbols	SYSMSET-202	SUBAREA or INDEX USING

Note: The following records, if they do not already exist in the data dictionary, will be established at the first execution of the schema compiler:

- OOAK-012 (one-of-a-kind record)

- S-010 (one occurrence: 'NON IDMS' version 1)

- CLASS-092 (two occurrences: LANGUAGE and MODE)

- USER-047 (one occurrence: 'CULL DBA')

- CATENTRY-160, CATNEST-161, CATPASSKEY-162 (basic IDB catalog occurrences)

Sets updated by the schema compiler: This table identifies the set name, owner record, and member record of each set in the data dictionary that can be updated by the schema compiler:

Set name	Owner	Member
S-SA	S-010	SA-018
S-SS	S-010	SA-026
SA-SAM	SA-018	SAM-056
SA-SACALL	SA-018	SACALL-020
SA-SYMNAME	SA-018	SYMNAME-200
SRCD-SRCALL	SRCD-113	SRCALL-040
SRCD-SYMREC	SRCD-113	SYMREC-201
RCDSYN-SRCD	RCDSYN-079	SRCD-113
ATTR-JCT	ATTRIBUTE-093	SCHEMAATTR-180
RCDSYN-RCDSYNATT	RCDSYN-079	RCDSYNATTR-141
OOAK-S	OOAK-012	S-010
S-SCHEMACMT	S-010	SCHEMACMT-181
S-SRCD	S-010	SRCD-113
SRCD-SAM	SRCD-113	SAM-056
S-SOR	S-010	SOR-046
SRCD-SOR	SRCD-113	SOR-046
SRCD-SMR	SRCD-113	SMR-052
SOR-SMR	SOR-046	SMR-052
SOR-SYMSET	SOR-046	SYMSET-202
SMR-SCR	SMR-052	SCR-054
SMR-SFK	SMR-052	SFK-037
SDR-SCR	SDR-042	SCR-054 and SFK-037
SYMNAME-SYMREC	SYMNAME-200	SYMREC-201
SYMNAME-SYMSET	SYMNAME-200	SYMSET-202
OOAK-SR	OOAK-012	SR-036
SR-SDR	SR-036	SDR-042
SR-RCDSYN	SR-036	RCDSYN-079
RCDSYN-NAMESYN	RCDSYN-079	NAMESYN-083

Set name	Owner	Member
USER-USERSCHEMA	USER-047	USERSCHEMA-182
S-SCHEMAATTR	S-010	SCHEMAATTR-180
S-USERSCHEMA	S-010	USERSCHEMA-182
SDR-SDES	SDR-042	SDES-044
SDR-NAMESYN	SDR-042	NAMESYN-083
ELEMSYN-NAMESYN	ELEMSYN-085	NAMESYN-083
NAMESYN-NAMEDES	NAMESYN-083	NAMEDES-186
ELEMNEST-EXPL	INQ-058	ELEMNEST-087
INQ-ELEMSYN	INQ-058	ELEMSYN-085
ELEMNEST-IMPL	INQ-058	ELEMNEST-087
OOAK-INQ	OOAK-012	INQ-058
INQ-GROUPELEMSYN	INQ-058	ELEMSYN-085

1.3.5 Physical database definition statements

What they do: You use physical database definition statements to create and maintain the components of the physical database:

- DMCL

- SEGMENT

- DBTABLE (database name table)

You submit physical database definition statements to the CA-IDMS Command Facility for processing.

►► For more information, refer to *CA-IDMS Command Facility*.

Records updated by physical database definition: The table below presents by database component the records that are updated by physical database definition statements:

Component	Statement	Record
DBTABLE	CREATE DBNAME	DBNAME-1031
	CREATE/ALTER DBNAME CREATE/ALTER DBTABLE INCLUDE SEGMENT	DBSEGMENT-1032

Component	Statement	Record

	`CREATE/ALTER DBNAME`
	`CREATE/ALTER DBTABLE`
	`  INCLUDE SUBSCHEMA`
		DBSSC-1033

	CREATE DBTABLE	DBTABLE-1034
DMCL	CREATE DMCL	DMCL-1035
	ALTER DMCL INCLUDE AREA	DMCLAREA-1036
	ALTER DMCL INCLUDE FILE	DMCLFILE-1037
	ALTER DMCL INCLUDE SEGMENT	DMCLSEGMENT-1038
	`CREATE BUFFER` `CREATE JOURNAL BUFFER`	BUFFER-1027
	CREATE DISK/TAPE/ARCHIVE JOURNAL	JOURNAL-1043
SEGMENT	CREATE SEGMENT	SEGMENT-1047
	CREATE FILE	FILE-1039
	CREATE AREA	AREA-1026
	CREATE/ALTER AREA WITHIN FILE	FILEMAP-1040

	`CREATE/ALTER AREA`
	`  INCLUDE SUBAREA/SYMBOLIC INDEX/`
	`  SYMBOLIC DISPLACEMENT`
		SYMBOL-1048

1.3.6 Subschema compiler

What it does: The subschema compiler processes Data Description Language
(DDL) source statements that define CA-IDMS subschemas. The compiler populates
the dictionary with record and set occurrences that maintain subschema and subschema
component definitions. Definitions of the major subschema components are imple-
mented as junction records between the subschema and the applicable schema compo-
nent.

The subschema compiler also generates subschema tables for runtime use by applica-
tion programs. Subschema tables are stored as load modules in the data dictionary.

►► For more information on the subschema compiler, refer to the *CA-IDMS Database
Administration*.

Records updated by the subschema compiler: The table below lists the
records that can be updated by the subschema compiler and indicates the DDL state-
ments that update each record.

Record function	Record name	Subschema DDL statements
Subschema	**SS-026**	**SUBSCHEMA**
Subschema comments	SSCMT-184	COMMENTS
Subschema/attribute relationship	SSATTR-183	Class/attribute
Subschema/user relationship	USERSS-185	USER
Subschema area	**SSA-024**	**AREA**
Subschema area database procedure	SSACALL-019	
Subschema database procedure	SSPROC-095	
Subschema record	SSR-032	RECORD
Subschema record CALC key	SSMR-068 SSCR-070	
Subschema record database procedure	SSRCALL-039	
Subschema database procedure	SSPROC-095	
Subschema record/area mapping	SSAM-066	
Subschema view of record	RCDSYN-079 NAMESYN-083 NAMEDES-186	VIEW ID or ELE-MENTS
Subschema set (set owner is owner of SSR-SSOR set)	**SSOR-034**	**SET**
Subschema set — member information (set member is owner of SSR-SSMR set)	SSMR-068	
Subschema set sort key	SSCR-070	
Subschema set foreign key	SSFK-076	
Logical record	**LR-190**	**LOGICAL RECORD**
Logical record comments	LRCMT-194	COMMENTS
Logical record/IDD record relationship (member of RCDSYN-LRSSR set)	LRSSR-189	ELEMENTS
Logical record/subschema record relationship (member of LR-LRSSR set)	LRSSR-189	
Logical record verb	**LRVERB-191**	**PATH-GROUP**
Logical record path definition	PATHDEF-192	
Subschema load module (subschema tables)	**LOADHDR-156** **LOADTEXT-157** **LOADCTL-158**	**GENERATE**

Record function	Record name	Subschema DDL statements
Program definition of subschema load module	PROG-051	

Sets updated by the subschema compiler: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by the subschema compiler:

Set name	Owner	Member
USER-USERSS	USER-047	USERSS-185
SS-USERSS	SS-026	USERSS-185
ATTR-JCT	ATTRIBUTE-093	SSATTR-183
SS-SSATTR	SS-026	SSATTR-183
SS-SSCMT	SS-026	SSCMT-184
S-SS	S-010	SS-026
SS-SSA	SS-026	SSA-024
SA-SSA	SA-018	SSA-024
SSA-SSAM	SSA-024	SSAM-066
SS-SSR	SS-026	SSR-032
SSR-SSAM	SSR-032	SSAM-066
SRCD-SSR	SRCD-113	SSR-032
SSR-SSOR	SSR-032	SSOR-034
SOR-SSOR	SOR-046	SSOR-034
SS-SSOR	SS-026	SSOR-034
SSR-SSMR	SSR-032	SSMR-068
SSOR-SSMR	SSOR-034	SSMR-068
SSMR-SSCR	SSMR-068	SSCR-070
SSMR-SSFK	SSMR-068	SSFK-076
SS-LR	SS-026	LR-190
SSA-SSACALL	SSA-024	SSACALL-019
SSPROC-SSACALL	SSPROC-095	SSACALL-019
SSPROC-SSRCALL	SSPROC-095	SSRCALL-039
SSR-SSRCALL	SSR-032	SSRCALL-039

Set name	Owner	Member
SSR-LRSSR	SSR-032	LRSSR-189
RCDSYN-SSR	RCDSYN-079	SSR-032
SR-RCDSYN	SR-036	RCDSYN-079
RCDSYN-NAMESYN	RCDSYN-079	NAMESYN-083
LOADHDR-LOADTEXT	LOADHDR-156	LOADTEXT-157
LRVERB-PATHDEF	LRVERB-191	PATHDEF-192
LR-LRVERB	LR-190	LRVERB-191
LR-LRCMT	LR-190	LRCMT-194
LR-LRSSR	LR-190	LRSSR-189
OOAK-PROG	OOAK-012	PROG-051
SDR-NAMESYN	SDR-042	NAMESYN-083
NAMESYN-NAMEDES	NAMESYN-083	NAMEDES-186

1.3.7 CA-IDMS/DC mapping compilers

What they do: The CA-IDMS/DC mapping compilers are used to define panels and maps and to create map load modules.

During an online mapping session, the user enters map definitions online and then selects the COMPILE activity to create the map load module; the online mapping compiler populates the data dictionary with record and set occurrences accordingly.

When using the batch mapping compiler, the user submits source statements that define panels and maps; the batch mapping compiler populates the data dictionary with record and set occurrences accordingly. The user then runs the batch mapping utility to generate the map load modules.

►► For more information on the CA-IDMS mapping compilers, refer to *CA-IDMS Mapping Facility*.

When records are updated: The online mapping compiler stores an occurrence of the PROG-051 record when a map is added, to reserve the map name. Other dictionary records are stored or modified when the COMPILE action is initiated.

Records updated by mapping compilers: The table below lists the records that can be updated by the CA-IDMS/DC mapping compilers.

Record function	Record name
Panel	PANEL-118
Panel field	PANELFLD-121
Panel field device-dependent table	PFLD-DATA-147
Map	MAP-098
Attributes for automatic error handling	MAP-098
Map record	MAPRCD-125 SR-036 (builder code only)
Map field	MAPFLD-124
Map load module	LOADHDR-156 LOADTEXT-157
Program definition of the map load module	PROG-051
Reference to edit and code tables	MODMAP-195
Reference to help text modules	

Sets updated by the mapping compilers: This table identifies the set name, owner record, and member record of each set in the data dictionary that can be updated by the mapping compilers:

Set name	Owner	Member
SR-RCDSYN	SR-036	RCDSYN-079
RCDSYN-MAPRCD	RCDSYN-079	MAPRCD-125
MAP-MAPRCD	MAP-098	MAPRCD-125
MAPRCD-MAPFLD	MAPRCD-125	MAPFLD-124
MAP-MAPFLD	MAP-098	MAPFLD-124
PANELFLD-MAPFLD	PANELFLD-121	MAPFLD-124
PANEL-PANELFLD	PANEL-118	PANELFLD-121
PANELFLD-PFLD	PANELFLD-121	PFLD-DATA-147
OOAK-MAP	OOAK-012	MAP-098
OOAK-PANEL	OOAK-012	PANEL-118
PANEL-MAP	PANEL-118	MAP-098
MAP-MODMAP	MAP-098	MODMAP-195

Set name	Owner	Member
MODULE-MODMAP	MODULE-067	MODMAP-195

1.3.8 CA-ADS compilers

What they do: The CA-ADS application and dialog compilers are used to develop online applications.

Application compiler: The application compiler defines the components of an application, flow of control among these components, and inclusion of the components in system-built menus.

Dialog compiler: The dialog compiler creates dialog load modules from definitions stored in the data dictionary. During a dialog session, the user identifies the components and structure of a dialog by entering information online.

►► For information on the CA-ADS compilers, refer to *CA-ADS Reference*.

When records are updated: The CA-ADS compilers store PROG-051 records when the entity is added, to reserve the entity name. Other dictionary records are stored or modified when the COMPILE action is selected.

Records updated by CA-ADS: The table that follows list the records that can be updated by the CA-ADS compilers:

Record function	Record name
Program defintion of the application load module	PROG-051
Application load module	LOADHDR-156 LOADTEXT-157
Application/global record relationship	RCDCOPY-063
Program definition of the dialog load module	PROG-051
Dialog/subschema relationship	SSPROG-091
Dialog/map relationship	PROGMAP-126
Dialog options	PROGCMT-050
Dialog/debugger relationship	DPROG-171 LOADJCT-172[1] SYMHDR-174[1] SYMTEXT-175[1] SYMCTL-176[1]
Subschema record activity	RCDACT-059[2]
Subschema set activity	SETACT-061[2]

Record function	Record name
Subschema area activity (member of SSA-AFACT set)	AFACT-057[2]
Logical record activity	LRACT-193[2]
Dialog/record relationship	RCDCOPY-063
Dialog/process relationship	MODLST-055[3]
Dialog load module	LOADHDR-156 LOADTEXT-157

[1] Updated only if SYMBOL TABLE option is selected

[2] Updated only if ACTIVITY LOGGING option is selected

[3] Cross-references:

- DECLARATION PROCESS
- PREMAP PROCESS
- RESPONSE PROCESSES
- INCLUDE MODULES

Sets updated by the CA-ADS compilers: This table identifies the set name, owner record, and member record of each set in the data dictionary that can be updated by the mapping compilers:

Set name	Owner	Member
RCDSYN-RCDCOPY	RCDSYN-079	RCDCOPY-063
PROG-RCDCOPY	PROG-051	RCDCOPY-063
OOAK-PROG	OOAK-012	PROG-051
PROG-PROGLST	PROG-051	PROGLST-049
LOADHDR-LOADTEXT	LOADHDR-156	LOADTEXT-157

1.3.9 IDB Manager

What it does: IDB Manager is the administrative facility of CA-ICMS used to maintain the Information Database (IDB) catalog; the catalog controls the IDB environment. During an IDB Manager session, the user enters information about the IDB environment online; IDB Manager modifies dictionary record and set occurrences accordingly.

IDB Manager is also used to define data tables. The user creates data tables during an IDB Manager session by entering information online and then selecting the GENERATE function. IDB Manager calls ASF to modify dictionary record and set occur-

rences accordingly. The definition of a single data table involves several different dictionary records and sets.

►► For more information on IDB Manager, refer to *CA-ICMS System Administration*.

►► For more information on ASF, refer to the *CA-IDMS ASF User Guide*.

Records updated by IDB manager: The table below lists the records that can be updated directly by IDB Manager:

Record function	Record name
User access to IDB	CATENTRY-160
User/catalog relationship	CATNEST-161
User/group relationship	CATNEST-161
User defaults	CATEXT-163 Defaults
User duplicates and propagation options	CATENTRY-160
User locks	CATENTRY-160
Group	CATENTRY-160
Group/catalog relationship	CATNEST-161
Group/group relationship	CATNEST-161
Object (data table) — catalog entry	CATENTRY-160
Table definition number	CATRNUM-164
Object/catalog relationship	CATNEST-161
Object/folder relationship	CATNEST-161
Folder	CATENTRY-160
Folder/catalog relationship	CATNEST-161
Folder/folder relationship	CATNEST-161
ARCHIVE (user)	CATENTRY-160
ARCHIVE/catalog relationship	CATNEST-161
Archiver (folder)	CATENTRY-160
Archiver/ARCHIVE relationship	CATNEST-161
Archived entity	CATENTRY-160 (deleted and recreated)
	CATPASSKEY-162 (deleted)

Record function	Record name
Archived entity/archiver relationship	CATNEST-161
Passkey assignment	CATPASSKEY-162
Administrator authority (adds user to DBA group)	CATNEST-161
POSTMASTER (group)	CATENTRY-160
POSTMASTER/catalog relationship	CATNEST-161
POST OFFICE (user)	CATENTRY-160
POST OFFICE/catalog relationship	CATNEST-161
Post office box (folder)	CATENTRY-160
Post office box/POST OFFICE relationship	CATNEST-161
Letter (object)	CATENTRY-160
Letter/post office box relationship	CATNEST-161

Sets updated by IDB: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by IDB:

Set name	Owner	Member
CATRNUM-CATENTRY	CATRNUM-164	CATENTRY-160
CATNEST-EXPL	CATENTRY-160	CATNEST-161
CATNEST-IMPL	CATENTRY-160	CATNEST-161
CATPASSKEY-GIVE	CATENTRY-160	CATPASSKEY-162
CATPASSKEY-TAKE	CATENTRY-160	CATPASSKEY-162
CATENTRY-CATEXT	CATENTRY-160	CATEXT-163
USER-CATENTRY	USER-047	CATENTRY-160

1.3.10 Automatic System Facility

What it does: The Automatic System Facility (ASF) generates the schema, subschema, record, and element definitions that support tabular presentation of data in CA-IDMS database records.

ASF also calls the IDB manager to update the Information Database (IDB) catalog.

During an ASF session, the user creates data tables by entering information online and then selecting the GENERATE function; ASF automatically modifies dictionary record

and set occurrences accordingly. The definition of a single data table involves several different dictionary records and sets.

►► For more information on ASF, refer to the *CA-IDMS ASF User Guide*.

►► For more information on IDB Manager, refer to *CA-ICMS System Administration*.

Invoking other compilers: ASF also invokes the subschema compiler, the CA-IDMS/DC online mapping compiler, and the CA-ADS dialog compiler to modify dictionary record and set occurrences.

►► For information about the records and sets updated by:

- The subschema compiler, see 1.3.6, "Subschema compiler" on page 1-65 earlier in this chapter

- The mapping compiler, see 1.3.7, "CA-IDMS/DC mapping compilers" on page 1-68 later in this chapter

- CA-ADS dialog compiler, see 1.3.8, "CA-ADS compilers" on page 1-70 later in this chapter

Records updated by ASF: The table below lists the records that can be updated directly by ASF and indicates the online screens used to update each record.

Record function	Record name
Data table	LR-190 SR-036 USERRCD-133 (owner relationship) RCDSYN-079 S-010 SRCD-113 SOR-046 SMR-052 SS-026 USERSS-185 (owner relationship) ACCESS-045 (member of SS-ACCESS) SSA-024 SSR-032 SSOR-034 MODULE-067 USERMOD-136 (owner relationship) TEXT-088 MODATTR-069
Data table/r-area mapping	SAM-056 SSAM-066

Record function	Record name

Online access to data table	`PROG-051`
	`USERPROG-135 (owner relationship)`
	`PROGCMT-050`
	`SSPROG-091`
	`RCDCOPY-063`
	`MODLST-055`
	`PROGMAP-126`
	`MAP-098`
	`USERMAP-137 (owner relationship)`
	`MAPRCD-125`
	`PANEL-118`
	`USERPANEL-153 (owner relationship)`

Column	`INQ-058`
	`USERELEM-062 (owner relationship)`
	`ELEMSYN-085`
	`SDR-042`
	`NAMESYN-083`
	`SDES-044`

Key	`SCR-054`

Sets updated by ASF: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by ASF:

Set name	Owner	Member
OOAK-S	OOAK-012	S-010
S-SS	S-010	SS-026
SS-SSA	SS-026	SSA-024
SA-SSA	SA-018	SSA-024
SSA-SSAM	SSA-024	SSAM-066
SA-SAM	SA-018	SAM-056
SRCD-SAM	SRCD-113	SAM-056
SSR-SSAM	SSR-032	SSAM-066
SRCD-SSR	SRCD-113	SSR-032
SRCD-SOR	SRCD-113	SOR-046
SOR-SSOR	SOR-046	SSOR-034
SRCD-SMR	SRCD-113	SMR-052
SOR-SMR	SOR-046	SMR-052
SMR-SCR	SMR-052	SCR-054
SS-USERSS	SS-026	USERSS-185

Set name	Owner	Member
SS-LR	SS-026	LR-190
SS-SSPROG	SS-026	SSPROG-091
SS-SSR	SS-026	SSR-032
SS-SSOR	SS-026	SSOR-034
RCDSYN-SSR	RCDSYN-079	SSR-032
RCDSYN-RCDCOPY	RCDSYN-079	RCDCOPY-063
RCDSYN-MAPRCD	RCDSYN-079	MAPRCD-125
PROG-RCDCOPY	PROG-051	RCDCOPY-063
SR-USERRCD	SR-036	USERRCD-133
SR-SDR	SR-036	SDR-042
SR-RCDSYN	SR-036	RCDSYN-079
OOAK-SR	OOAK-012	SR-036
RCDSYN-NAMESYN	RCDSYN-079	NAMESYN-083
USER-CATENTRY	USER-047	CATENTRY-160
SS-ACCESS	SS-026	ACCESS-045
USER-USERSS	USER-047	USERSS-185
USER-ACCESS	USER-047	ACCESS-045
USER-USERMOD	USER-047	USERMOD-136
ATTR-JCT	ATTRIBUTE-093	MODATTR-069
MODULE-MODATTR	MODULE-067	MODATTR-069
MODULE-USERMOD	MODULE-067	USERMOD-136
MODULE-TEXT	MODULE-067	TEXT-088
OOAK-MODULE	OOAK-012	MODULE-067
MODULE-MODLST	MODULE-067	MODLST-055
PROG-MODLST	PROG-051	MODLST-055
USER-USERMAP	USER-047	USERMAP-137
MAP-USERMAP	MAP-098	USERMAP-137
OOAK-MAP	OOAK-012	MAP-098
PANEL-MAP	PANEL-118	MAP-098
OOAK-PANEL	OOAK-012	PANEL-118
PANEL-USERPANEL	PANEL-118	USERPANEL-153

Set name	Owner	Member
USER-USERPANEL	USER-047	USERPANEL-153
USER-USERRCD	USER-047	USERRCD-133
SDR-SDES	SDR-042	SDES-044
SDR-NAMESYN	SDR-042	NAMESYN-083
ELEMSYN-NAMESYN	ELEMSYN-085	NAMESYN-083
INQ-SDR	INQ-058	SDR-042
USER-USERELEM	USER-047	USERELEM-062
OOAK-INQ	OOAK-012	INQ-058
INQ-USERELEM	INQ-058	USERELEM-062
INQ-ELEMSYN	INQ-058	ELEMSYN-085
PROG-SSPROG	PROG-051	SSPROG-091
OOAK-PROG	OOAK-012	PROG-051
PROG-PROGMAP	PROG-051	PROGMAP-126

1.3.11 DML precompilers

What they do: Data manipulation languages (DMLs) enable the application pro-grammer to access CA-IDMS/DB or IDB. The programmer includes in the application program DML statements that request database services; DML statements appear as an extension of the host language.

Before compilation, a program that includes DML statements is submitted to the DML precompiler for the applicable language; DML precompilers are provided for Assem-bler, COBOL, FORTRAN, PL/I, and RPG II. The precompiler converts the DML statements into host-language statements and updates the dictionary with compile-time statistics used to monitor database activity for the program.

►► For more information on the DML precompilers, refer to the *CA-IDMS DML Refer-ence* for the appropriate language.

Records updated by DML precompilers: The table below lists the records that can be updated by the DML precompilers.

Record function	Record name
Program	PROG-051

Record function	Record name

Program entry point (COBOL, FORTRAN, and PL/I only)	`PROG-051 (for entry point)`
	
	`PROGNEST-053 (owned by main program in PROGNEST-EXPL set; owned by entry point in PROGNEST-IMPL set)`

Program language and mode	PROGATTR-065
Program REMARKS (COBOL only)	PROGCMT-050

Program/subprogram relationship (COBOL, FORTRAN, and PL/I only)	`PROG-051 (for subprogram)`
	
	`PROGNEST-053 (owned by calling program in PROGNEST-EXPL set; owned by called program in PROGNEST-IMPL set)`

Program/subschema relationship	SSPROG-091
Subschema record activity	RCDACT-059
Subschema set activity	SETACT-061
Subschema area activity	AFACT-057 (member of SSA-AFACT set)
Logical record activity	LRACT-193
IDD file copied (COBOL only)	AFACT-057 (member of SA-AFACT set)
Map copied	PROGMAP-126

Module copied	`MODULE-067 (COBOL only)`
	
	`MODLST-055`

Record copied	RCDCOPY-063

Sets updated by DML precompilers: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by DML precompilers.

Set name	Owner	Member
SS-SSPROG	SS-026	SSPROG-091
LR-LRACT	LR-190	LRACT-193
SSR-RCDACT	SSR-032	RCDACT-059
SSOR-SETACT	SSOR-034	SETACT-061

Set name	Owner	Member
RCDSYN-RCDCOPY	RCDSYN-079	RCDCOPY-063
PROG-SSPROG	PROG-051	SSPROG-091
PROG-LRACT	PROG-051	LRACT-193
SA-AFACT	SA-018	AFACT-057
SSA-AFACT	SSA-024	AFACT-057
PROG-AFACT	PROG-051	AFACT-057
PROG-RCDACT	PROG-051	RCDACT-059
PROG-SETACT	PROG-051	SETACT-061
PROG-RCDCOPY	PROG-051	RCDCOPY-063
OOAK-MODULE	OOAK-012	MODULE-067
MODULE-MODLST	MODULE-067	MODLST-055
PROG-MODLST	PROG-051	MODLST-055
PROG-PROGMAP	PROG-051	PROGMAP-126
OOAK-PROG	OOAK-012	PROG-051
PROGNEST-EXPL	PROG-051	PROGNEST-053
PROGNEST-IMPL	PROG-051	PROGNEST-053
ATTR-JCT	ATTRIBUTE-093	PROGATTR-065
PROG-PROGCMT	PROG-051	PROGCMT-050
PROG-PROGATTR	PROG-051	PROGATTR-065
MAP-PROGMAP	MAP-098	PROGMAP-126

1.3.12 CA-OLQ

What it does: CA-OLQ provides access to information stored in a CA-IDMS/DB database. The user can issue CA-OLQ commands to display selected records from the database and to build and format reports. A sequence of OLQ commands can be saved as a qfile that can be executed subsequently any number of times.

►► For more information on CA-OLQ, refer to the *CA-OLQ Reference*.

Records updated by CA-OLQ: The table below lists the records that are updated either when the user issues a SAVE QFILE command to store a qfile or when the user selects the CREATE function on the Qfile Processing screen.

Record function	Record name
Qfile or express routine	MODULE-067
Qfile command lines	TEXT-088
Qfile comments	MODCMT-084
Qfile language attribute	MODATTR-069
Qfile/user relationship	USERMOD-136
User access to qfile	ACCESS-045 (member of MODULE-ACCESS set)

Sets updated by CA-OLQ: This table identifies the set name, owner record, and member record of each set in the dictionary that can be updated by CA-OLQ:

Set name	Owner	Member
USER-ACCESS	USER-047	ACCESS-045
MODULE-ACCESS	MODULE-067	ACCESS-045
USER-USERMOD	USER-047	USERMOD-136
MODULE-USERMOD	MODULE-067	USERMOD-136
MODULE-TEXT	MODULE-067	TEXT-088
ATTR-JCT	ATTRIBUTE-093	MODATTR-069
MODULE-MODATTR	MODULE-067	MODATTR-069
OOAK-MODULE	OOAK-012	MODULE-067

Chapter 2. Structural Considerations

2.1 About this chapter

The dictionary contains several recurring fields and structures that perform the same functions for different record types. This chapter discusses these fields and structures, as follows:

- Common data fields

- Comment records

- Attribute junction records

- User junction records

- Nests

2.2 Common data fields

What they are: Certain data fields defined in the dictionary participate in many different dictionary record types; these data fields are described below:

DATE-CREATED-*nnn*	Date on which the entity occurrence was established. The format for the date is either *mm/dd/yy* or *mm-dd-yy*.
DATE-LU-*nnn*	Date on which the entity occurrence was last updated. The format for the date is either *mm/dd/yy* or *mm-dd-yy*.
TIME-CREATED-*nnn*	Time at which the entity occurrence was established. The format for the time is *hhmmsshh* where the first *hh* is hours, *mm* is minutes, *ss* is seconds, and the second *hh* is hundredths of a second.
TIME-LU-*nnn*	Time on which the entity occurrence was last updated. The format for the time is *hhmmsshh* where the first *hh* is hours, *mm* is minutes, *ss* is seconds, and the second *hh* is hundredths of a second.
PREP-BY-*nnn*	Name of the user who added the entity occurrence, as specified in the CA-IDMS/DC signon, in the compiler signon, or in the SET OPTIONS PREPARED BY parameter. If the PREPARED BY parameter is included in an IDD DDDL statement that updates the entity occurrence, the PREP-BY-*nnn* field will contain the supplied user name.
REV-BY-*nnn*	Name of the user who last updated the entity occurrence, as specified in the CA-IDMS/DC signon, in the compiler signon, or in the SET OPTIONS REVISED BY parameter. If the REVISED BY parameter is included in an IDD DDDL statement that updates the entity occurrence, the REV-BY-*nnn* field will contain the supplied user name.
DESCR-*nnn*	User-supplied description of the entity occurrence entered with the DESCRIPTION parameter of the IDD DDDL statement or the schema or subschema DDL statement for the entity.

BUILDER-*nnn*	Builder code indicating the CA-IDMS system software component that created the record occurrence. The builder code also functions as an ownership code that indicates the component allowed to update the record occurrence. The table below lists the current builder codes and the software components they represent:

```
A — CA-ADS dialog compiler
C — CA-IDMS/DC mapping compilers
D — IDD DDDL compiler
G — CA-IDMS/DC system generation compiler
    unavailable for runtime execution
M — DML precompilers
P — CA-ADS application compiler
R — CA-IDMS/DC system generation compiler
    available for runtime execution
S — Schema compiler
V — Subschema compiler
X — IDMSDIRL
```

ACTION-CODE-*nnn*	Action indicator for the CA-IDMS/DC system generation compiler. This field occurs only in object record types; the value in the field indicates the action to be taken by the system generation compiler when the user submits a GENERATE statement, as follows:

- **U** — The associated source entity has been modified for the current system; the object record must be updated accordingly.

- **D** — The associated source entity has been deleted from the current system; the object record must be deleted.

- **Blank** — No action is required.

PUB-ACCESS-FLAG-*nnn*	Bit flags indicating the functions that unregistered users can perform for the entity occurrence. The hexadecimal values for the functions are as follows:

```
X'00' — NONE
X'01' — DISPLAY
X'08' — DELETE
X'10' — REPLACE
X'20' — MODIFY
X'7F' — UPDATE
X'FF' — ALL
```

USER-COUNT-*nnn*	Count of users explicitly registered to perform all functions for the entity occurrence.

USER-AUTH-FLAG-*nnn*	Bit flags indicating the functions that a given user can perform for a given entity occurrence. This field occurs only in user junction records. ►► For more information on the user authorization flag, see 2.5, "User junction records" on page 2-10 later in this chapter.
USER-RESP-FLAG-*nnn*	Bit flags indicating a given user's responsibility for a given entity occurrence. This field occurs only in user junction records. ►► For more information on the user responsibility flag, see 2.5, "User junction records" on page 2-10 later in this chapter.
JCT-TEXT-*nnn*	User-supplied junction text. This field occurs only in junction records and is completed only by the IDD DDDL compiler.
CMT-*nnn*	User-supplied comment text. This field occurs only in comment records.
IDD-SEQ-*nnn*	Sequence number used to allow editing of comment text and module source. The starting number and increment are taken from the OOAK-012 record.
CMT-ID-*nnn*	Code used to identify the type of comment for a particular line of comment text. This field occurs only in comment records. ►► For more information on comment codes, see 2.3, "Comment records" on page 2-7 later in this chapter.
NEST-CODE-*nnn*	Code used to identify the type of relationship between two occurrences of the same entity type. This field occurs only in nesting junction records; for more information on nest codes, see 2.6, "Nests" on page 2-11 later in this chapter.

2.3 Comment records

Use of comment records: All dictionary entities except DMCL modules and load modules support the use of comments. Comments provide additional descriptive information about an entity.

Types of comment: There are two types of comments

- Predefined dictionary comments
- User-defined comments

Predefined comments are added by using keywords supplied with the entity syntax; user-defined comments are added by using comment keys previously defined by the user.

Comment keys: The user can define comment keys for all entities that support the use of comments with the exception of schemas, subschemas, and logical records. An almost unlimited number of comment keys can be defined for each entity type. All comments for an entity, both predefined and user-defined, use the same dictionary structure.

Characteristics of comments: Most comment record types have CMT as part of their name. Each comment record contains:

- **Comment line sequence number** — Sequence number assigned to each line of text associated with a given comment key. Comment line sequence numbers are used to allow editing of all types of comment text.
- **Comment text** — User-supplied text entered with the comment key.
- **Comment code** — Code used to identify the comment key. Comment records with the same comment code are logically clustered together within the set of comment records owned by an entity occurrence.

Reserved comment codes: Predefined dictionary comments have reserved comment codes that are always negative numbers.

The IDD DDDL compiler assigns a comment code to a user-defined comment when the user creates the comment key. Comment codes for user-defined comments range from 1 through 32767 and are unique within each entity type. The DDDL compiler assigns comment codes in ascending numerical order.

►► For more information on defining comment keys, see the description of the ATTRNEST-132 record type in Chapter 3, "Record and Element Descriptions" on page 3-1.

Comment type	Code
COMMENTS	-1
DEFINITION	-2
VALUES (ELEMCMT-082 and SDES-044 only)	-3
OLQ HEADER (RCDCMT-080 and SDES-044 only)	-4
CULPRIT HEADER (RCDCMT-080 and SDES-044 only)	-5
REMARKS (PROGCMT-050 only)	-6
CA-ADS/Batch program load information (MODCMT-084 only)	-7
Edit tables (MODCMT-084 and SDES-044 only)	-8
Code tables (MODCMT-084 and SDES-044 only)	-9
OCCURS DEPENDING ON (SDES-044 only)	-10
INDEXED BY (SDES-044 and NAMEDES-186 only)	-11
INDEX KEY (SDES-044 and NAMEDES-186 only)	-12
CA-ADS dialog options (PROGCMT-050 only)	-23
ASF header and display sequence number (SDES-044 only)	-24
CA-ADS dialog list of SQL tables included as work records (PROGCMT-050 only)	-25

2.4 Attribute junction records

What they do: Attribute junction records document associations between attributes and entities.

Characteristics: All attribute junction records are members of the ATTR-JCT set, and all have ATTR as part of their name. Attribute junction records contain only user-supplied junction text.

2.5 User junction records

What they do: User junction records document relationships between users and entities.

Characteristics: All user junction records have USER as part of their name. Each user junction record contains the following information:

- **User authorization** — Bit flags indicating the functions that the user can perform for the entity. The hexadecimal values for the functions that a user can be authorized to perform are as follows:

X'00'	PUBLIC ACCESS
X'01'	DISPLAY
X'08'	DELETE
X'10'	REPLACE
X'20'	MODIFY
X'7F'	UPDATE
X'FF'	ALL

- **User responsibility** — Bit flags indicating the user's responsibility for the entity. User responsibility is documentational only.

  The hexadecimal values for the functions for which a user can be responsible are as follows:

X'00'	NONE
X'01'	CREATION
X'02'	UPDATE
X'04'	DELETION

- **Junction text** — User-supplied junction text.

2.6 Nests

What they are: Most basic IDD entities (that is, the nonteleprocessing entities that can be defined by IDD DDDL statements) can participate in relationships with other entities of the same type; for example, records can be related to other records, and files can be related to other files. Such relationships are called nests.

Types of nest: There are two types of nest:

- Predefined dictionary nests

- User-defined nests

The user establishes predefined nested relationships by using keywords supplied with the entity syntax; user-defined nested relationships are established by using relational keys previously defined by the user. An almost unlimited number of relational keys can be defined for each entity type.

All nested relationships for an entity, both predefined and user-defined, use the same dictionary structure.

Implementing nests: Nests are implemented by means of nesting junction records that are owned by two entity occurrences of the same type.

Naming conventions: All nesting junction records have NEST as part of their name. The higher level entity occurrence (as defined by the type of nest) is the owner of the explosion set; this set always has EXPL as part of its name. The lower level entity occurrence is the owner of the implosion set; this set always has IMPL as part of its name.

Reserved nest codes: Each nesting junction record contains user-supplied junction text and a nest code that identifies the type of nest. Predefined dictionary nests have reserved nest codes that are always negative numbers.

The IDD DDDL compiler assigns a nest code to a user-defined nest when the user creates the relational key for the nest. Nest codes for user-defined nests range from 1 through 32767 and are unique within each entity type. The DDDL compiler assigns nest codes in ascending numerical order.

►► For more information on defining relational keys, see the description of the ATTRNEST-132 record type in Chapter 3, "Record and Element Descriptions" on page 3-1.

The table below lists the currently assigned reserved nest codes and their meanings.

Nest type	Code
SAME AS or, for ATTRIBUTE statement, class/attribute parameter	-1

Related entity, as follows:
 	
    FILE statement — RELATED FILE
    PROGRAM statement — PROGRAM CALLED
    SYSTEM statement — WITHIN SYSTEM
    USER statement — WITHIN USER
	-2

Entry point (PROGNEST-053 only) or fourth alternate picture format (ELEMNEST-087 only)	-3
Third alternate picture format (ELEMNEST-087 only)	-4
Second alternate picture format (ELEMNEST-087 only)	-5
First alternate picture format (ELEMNEST-087 only)	-6
Primary picture format (ELEMNEST-087 only)	-7

Chapter 3. Record and Element Descriptions

3.1 About this chapter

This chapter contains a description of each record type in the dictionary; the records are presented alphabetically by record name.

Each description includes the following information:

- A general description of the function of the record.

- The length, in bytes, of the data portion of the record.

- The CA-IDMS components and tools that can establish occurrences of the record.

- The dictionary sets in which the record participates as the owner.

- The dictionary sets in which the record participates as a member.

- The data fields that comprise the record. For each data field, the following information is provided, as applicable:

    - Field name

    - Picture — For data fields with a usage type of BIT, the length in the picture clause is expressed in bits rather than bytes; for example, X(8) usage BIT is an eight-bit field, which is 1 byte, rather than 8 bytes, of storage.

    - Usage

    - Value

    - Occurrence count

    - Name of field being redefined

    - Description of how the data field is used

3.2 ACCESS-045

Description: ACCESS-045 is a junction record that relates a user to a system that the user is authorized to access, or to a subschema or qfile that the user can access by means of CA-OLQ. If an ACCESS-045 occurrence is related to both a subschema and a qfile, the qfile is executed automatically as a signon qfile when the user signs on to the subschema.

ACCESS-045 also serves as a junction record between the user and the user's signon profile for CA-IDMS/DC. When the user signs on to CA-IDMS/DC, the system checks whether the user owns an ACCESS-045 occurrence with a type code of binary ones that is also owned by a MODULE-067 occurrence whose language is DC. If an ACCESS-045 record that meets these conditions is found, the owning module is executed as the user's signon profile.

Record length: 68

Established by: IDD DDDL compiler, ASF, CA-OLQ

Member of: MODULE-ACCESS, SS-ACCESS, SYS-ACCESS, USER-ACCESS

Location mode: VIA set USER-ACCESS

Within area: DDLDML

Field	Picture	Description
02 PRIORITY-045	**X(8) BIT**	User priority.
02 ACCESS-CODES-045	**X(32) DISPLAY**	User access codes. This field is a bit map that indicates the security classes assigned to the user. Each bit (1 through 255) represents a security class.
02 SEC-CODE-045	**X(32) DISPLAY**	Installation security code.
02 FILLER	**X(1) DISPLAY**	
02 ACCESS-TYPE-045	**S9(4) COMP SYNC**	Access type. If this field contains binary zeros, the record represents access to a system, subschema, or qfile. If this field contains binary ones, the record represents a signon profile.

3.3 AFACT-057

Description: AFACT-057 is a junction record that relates a program either to a subschema area or to an IDD file. When the AFACT-057 occurrence is a member of the SSA-AFACT set, the record represents program activity against a subschema area. When the AFACT-057 occurrence is a member of the SA-AFACT set, the record represents program activity against an IDD file.

Record length: 72

Established by: IDD DDDL compiler, DML precompilers, CA-ADS dialog compiler

Member of: PROG-AFACT, SA-AFACT, SSA-AFACT

Location mode: VIA set PROG-AFACT

Within area: DDLDML

Field	Picture	Description
02 AF-FUNCT-057	**S9(4) COMP SYNC**	Function code indicating how the program accesses the subschema area or IDD file. For DML commands issued against a subschema area, the function code is the major DML verb number (for example, the function code for FIND WITHIN AREA is 03). For IDD files, the function code indicates the mode in which the file is opened.
		+03 FIND WITHIN AREA
		+06 KEEP WITHIN AREA
		+15 ACCEPT DB-KEY FROM AREA
		+23 FIND KEEP WITHIN AREA
		+36 READY UPDATE
		+37 READY RETRIEVAL
		+38 READY PROTECTED UPDATE
		+39 READY PROTECTED RETRIEVAL
		+40 READY EXCLUSIVE RETRIEVAL
		+41 READY EXCLUSIVE UPDATE
		+43 OBTAIN WITHIN AREA
		+63 OBTAIN KEEP WITHIN AREA
		+90 OPEN (no usage mode specified — PL/I only)
		+91 OPEN INPUT
		+92 OPEN INPUT/OUTPUT
		+93 OPEN OUTPUT
		+94 OPEN EXTEND (COBOL only)

Field	Picture	Description
88 FIND-057	**COND VALUE +03**	
88 KEEP-057	**COND VALUE +06**	
88 ACCEPT-057	**COND VALUE +15**	
88 FIND-KEEP-057	**COND VALUE +23**	
88 UPDT-057	**COND VALUE +36**	
88 RET-057	**COND VALUE +37**	
88 PROT-UPDT-057	**COND VALUE +38**	
88 PROT-RET-057	**COND VALUE +39**	
88 EXCL-RET-057	**COND VALUE +40**	
88 EXCL-UPDT-057	**COND VALUE +41**	
88 INPUT-057	**COND VALUE +91**	
88 I-O-057	**COND VALUE +92**	
88 OUTPUT-057	**COND VALUE +93**	
02 AF-COUNT-057	**S9(4) COMP SYNC**	Activity count. This field reflects the number of times that the program performs the indicated function.
02 AF-AREA-OWN-057	**X(32) DISPLAY**	Subschema area or IDD file name.
02 EXTRNL-NAME-057	**X(32) DISPLAY**	Ddname (OS/390 systems) or filename (VSE/ESA systems) of IDD file.
02 FILLER	**X(4) DISPLAY**	

3.4 AREA-1026

Description: Occurrences of AREA-1026 represent areas within a segment.

Record length: 188

Established by: Physical database definition

Owner of: AREA-DMCLAREA, AREA-FILEMAP, AREA-INDEX, AREA-SYMBOL, AREA-TABLE

Member of: IX-AREA, SEGMENT-AREA

Location mode: CALC using NAME-1026

Within area: DDLCAT

Field	Picture	Description
02 SEGMENT-1026	**X(8) DISPLAY**	Segment name.
02 NAME-1026	**X(18) DISPLAY**	Area name.
02 CTIME-1026	**X(64) BIT**	Date and time stamp when the area was created.
02 UTIME-1026	**X(64) BIT**	Date and time stamp when the area was last updated.
02 CRITTIME-1026	**X(64) BIT**	Date and time stamp of the last critical change to the area.
02 TIMESTAMP-1026	**X(64) BIT**	Definition date/time stamp.
02 CUSER-1026	**X(18) DISPLAY**	User ID of user who created the area.
02 UUSER-1026	**X(18) DISPLAY**	User ID of user who last updated the area.
02 TYPE-1026	**X(1) DISPLAY**	Area type. 'N' — Non-SQL area 'R' — SQL area
02 STAMPLEVEL-1026	**X(1) DISPLAY**	Stamp indicator. 'N' — No stamp checking for a non-SQL area 'T' — Table-level stamping for an SQL area 'S' — Area-level stamping for an SQL area
02 NUMFILEMAPS-1026	**S9(4) COMP SYNC**	Number of filemaps in the area.

Field	Picture	Description
02 NUMSYMBOLICS-1026	**S9(4) COMP SYNC**	Number of symbolics in the area.
02 DISPLACEMENT-1026	**S9(4) COMP SYNC**	Cluster displacement.
02 PAGEGROUP-1026	**S9(4) COMP SYNC**	Identifier of the page group that contains the area.
02 LOWPAGE-1026	**S9(8) COMP SYNC**	Low page number of the area page range.
02 HIGHPAGE-1026	**S9(8) COMP SYNC**	High page number of the area page range.
02 CALCHIGHPAGE-1026	**S9(8) COMP SYNC**	Primary (calc) high page number of the area's page range.
02 MAXHIGHPAGE-1026	**S9(8) COMP SYNC**	Maximum high page number for the area.
02 NUMPAGES-1026	**S9(8) COMP SYNC**	Number of pages
02 PAGESIZE-1026	**S9(8) COMP SYNC**	Size, in bytes, of each page in the area.
02 PAGERESERVE-1026	**S9(8) COMP SYNC**	Page reserve size, in bytes. This field indicates the number of bytes that will be left unused on a page when new records are stored so that space is available for the expansion of variable-length records during DML MODIFY operations.
02 ORIGPAGESIZE-1026	**S9(8) COMP SYNC**	Original page size of the area.
02 PCTPAGESUSED-1026	**S9(8) COMP SYNC**	Percent of pages used.
02 NUMROWS-1026	**S9(8) COMP SYNC**	Number of rows in the area.
02 PCTSPACEUSED-1026	**S9(8) COMP SYNC**	Percent of space used in the area.
02 FILLER	**X(40) DISPLAY**	

3.5 ATTRCMT-094

Description: ATTRCMT-094 is the comment record associated with the ATTRIBUTE-093 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: ATTR-ATTRCMT

Location mode: VIA set ATTR-ATTRCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-094	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-094	**DISPLAY**	
03 CMT-INFO-094	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-094	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.6 ATTRIBUTE-093

Description: Occurrences of the ATTRIBUTE-093 record type represent attributes.

Record length: 80

Established by: IDD DDDL compiler

Owner of: ATTR-ATTRCMT, ATTR-ATTRUSER, ATTR-EXPL, ATTR-IMPL, ATTR-JCT

Member of: CLASS-ATTR

Location mode: CALC using ATTR-NAME-093

Within area: DDLDML

Field	Picture	Description
02 ATTR-NAME-093	X(40) DISPLAY	Attribute name.
02 DATE-LU-093	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-093	X(8) DISPLAY	Date established.
02 PREP-BY-093	X(8) DISPLAY	User who added the attribute.
02 REV-BY-093	X(8) DISPLAY	User who last updated the attribute.
02 DEL-CODE-093	X(1) DISPLAY	Deletion lock byte. If this field contains the character X, the attribute cannot be deleted. If this field contains a blank, the attribute can be deleted.
02 PUB-ACCESS-FLAG-093	X(8) BIT	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(2) DISPLAY	
02 USER-COUNT-093	S9(4) COMP SYNC	Count of users registered for all.
02 FILLER	X(2) DISPLAY	

3.7 ATTRNEST-132

Description: ATTRNEST-132 is the nesting junction record for the
ATTRIBUTE-093 record type.

►► For a discussion of nesting junction records, see Chapter 2, "Structural
Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler

Member of: ATTR-EXPL, ATTR-IMPL

Location mode: VIA set ATTR-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-132	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-132	**X(40) DISPLAY**	User-supplied junction text.
02 NEST-ID-132	**S9(4) COMP SYNC**	Numeric identifier assigned to user-defined relational keys and user-defined comment keys. The dictionary contains an ATTRIBUTE-093 occurrence for each entity type (for example, ELEMENT, RECORD, or MODULE) for which the user can define relational keys and/or comment keys; these attributes are owned by the class ENTITY. When the user defines a relational key or a comment key for an entity type, the user-defined keyword is stored in an ATTRIBUTE-093 occurrence that is owned by the class 'USER DEFINED NEST' or 'USER DEFINED COMMENT', respectively. The system-assigned nest code or comment code for the user-defined keyword is stored in the NEST-ID-132 field of the ATTRNEST-132 occurrence that relates the attribute occurrence for the keyword to the attribute occurrence for the entity type.
		The figure below illustrates the creation of a user-defined relational key.

Field	Picture	Description
02 INVERSE-132	**X(1) DISPLAY**	Inverse key indicator. 'I' Text contains an inverse key
02 FILLER	**X(1) DISPLAY**	

Sample dictionary structure for a user-defined relational key: In this example, the user submits an IDD DDDL MODIFY ENTITY statement that defines the relational key 'PREREQUISITE SYSTEM' for the SYSTEM entity type. The DDDL compiler creates an ATTRIBUTE-093 occurrence for the relational key and an ATTRNEST-132 occurrence to relate the relational key to the ATTRIBUTE-093 occurrence for the SYSTEM entity type.

The compiler stores the next available nest code for the SYSTEM entity type (in this example, 5) in the NEST-ID-132 field of the ATTRNEST-132 occurrence. The value of -1 stored in the NEST-CODE-132 field is the nest code that identifies the type of this ATTRNEST-132 occurrence.

MODIFY ENTITY SYSTEM
USER DEFINED NEST IS 'PREREQUISITE SYSTEM'.

Entity

User-
defined
nest

CLASS-092

CLASS-092

System

PREREQUISITE
SYSTEM

ATTRIBUTE-093

ATTRIBUTE-093

NEST-CODE: -1

NEST-ID: 5

Exisiting records

Created records
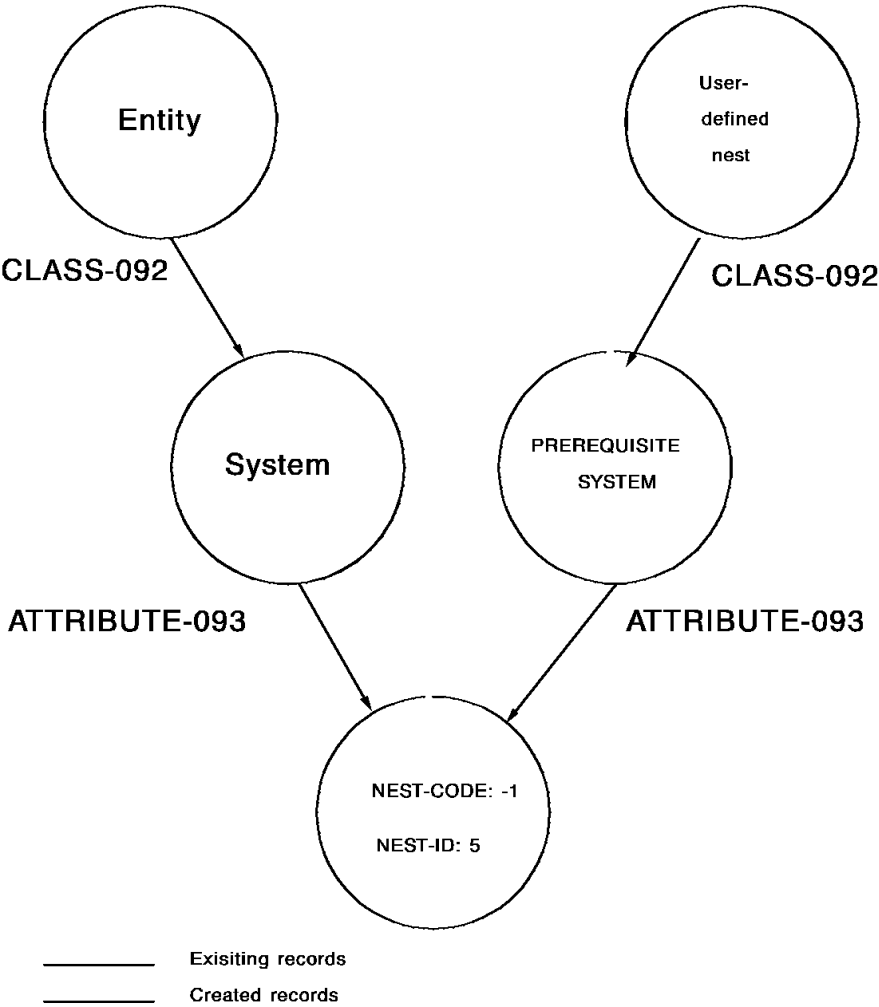
3.8 ATTRUSER-173

Description: ATTRUSER-173 is the user junction record that relates an ATTRIBUTE-093 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: ATTR-ATTRUSER, USER-ATTRUSER

Location mode: VIA set USER-ATTRUSER

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-173	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-173	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-173	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.9 BUFFER-1027

Description: Occurrences of BUFFER-1027 represent DMCL buffers.

Record length: 152

Established by: Physical database definition

Member of: DMCL-BUFFER, IX-BUFFER

Location mode: VIA set DMCL-BUFFER

Within area: DDLCAT

Field	Picture	Description
02 DMCL-1027	**X(8) DISPLAY**	DMCL name.
02 NAME-1027	**X(18) DISPLAY**	Buffer name.
02 TYPE-1027	**X(2) DISPLAY**	Buffer type. 'BC' — Definition represents a standard buffer 'JB' — Definition represents a journal buffer
02 CTIME-1027	**X(64) BIT**	Date and time stamp when the DMCL buffer was created.
02 UTIME-1027	**X(64) BIT**	Date and time stamp when the DMCL buffer was last updated.
02 CRITTIME-1027	**X(64) BIT**	Date and time of the last critical change made to the DMCL buffer.
02 CUSER-1027	**X(18) DISPLAY**	User ID of user who created the DMCL buffer.
02 UUSER-1027	**X(18) DISPLAY**	User ID of the user who last updated the DMCL buffer.
02 PAGESIZE-1027	**S9(8) COMP SYNC**	Size, in bytes, of pages in the buffer. For native VSAM data sets, this field indicates the control interval size.
02 LOCALPAGES-1027	**S9(8) COMP SYNC**	Number of pages in the local mode buffer.
02 CVPAGES-1027	**S9(8) COMP SYNC**	Initial number of pages in the central version mode buffer.
02 MAXPAGES-1027	**S9(8) COMP SYNC**	Maximum number of pages in the central version mode buffer.

Field	Picture	Description
02 KEYLENGTH-1027	**S9(4) COMP SYNC**	The maximum sort-key or CALC-key length for native VSAM files.
02 BUFNI-1027	**S9(4) COMP SYNC**	Number of I/O buffers in the native VSAM non-shared resources (NSR) buffer that are used for index entries.
02 STRNO-1027	**S9(4) COMP SYNC**	Maximum number of concurrent requests permitted against an area assigned to the native VSAM buffer.
02 STGFLAG-1027	**X(8) BIT**	Storage location indicator. X'01' — Local mode (not XA) X'02' — Central version mode (not XA)
02 FLAG-1027	**X(8) BIT**	Buffer flag. X'80' — Native VSAM LSR or NSR buffer
02 FILLER	**X(40) DISPLAY**	

3.10 CATENTRY-160

Description: CATENTRY-160 occurrences represent all Information Database (IDB) and Automatic System Facility (ASF) catalog entities except passkeys.

Record length: 396

Established by: IDB Manager

Owner of: CATENTRY-CATEXT, CATNEST-EXPL, CATNEST-IMPL, CATPASSKEY-GIVE, CATPASSKEY-TAKE

Member of: CATRNUM-CATENTRY, USER-CATENTRY

Location mode: CALC using CAT-ENTRY-CALCKEY-160

Within area: DDLDML

Field	Picture	Description
02 CAT-IDENTIFICATION-160	**DISPLAY**	Entity identification.
03 CAT-ENTRY-CALCKEY-160	**DISPLAY**	CALC key.
04 CAT-OWNER-NAME-160	**X(32) DISPLAY**	Owner name. Entities can be owned either by the catalog or by a user.
04 CAT-ENTRY-NAME-160	**X(32) DISPLAY**	Entity name.
03 CAT-ENTRY-DESCRIPTION-160	**X(72) DISPLAY**	Entity description.
03 CAT-LOCATION-160	**DISPLAY**	Reserved.
04 CAT-CATALOG-OR-DB-NAME-160	**X(8) DISPLAY**	Dictname.
04 CAT-LOCATION-OR-NODE-160	**X(8) DISPLAY**	Nodename.
03 CAT-ENTRY-TYPE-160	**X(8) BIT**	Entity type. X'40' Catalog X'20' Group X'08' User X'04' Folder X'01' Object
03 CAT-OBJECT-TYPE-160	**X(1) DISPLAY**	Object type for CATENTRY-160 occurrences that represent objects.

Field	Picture	Description
88 CAT-OBJ-DATA-160	**COND VALUE 'D'**	
88 CAT-OBJ-GENERIC-160	**COND VALUE 'G'**	
88 CAT-OBJ-MODEL-160	**COND VALUE 'M'**	
88 CAT-OBJ-PICTURE-160	**COND VALUE 'P'**	
88 CAT-OBJ-SYSTEM-160	**COND VALUE 'S'**	
88 CAT-OBJ-TEXT-160	**COND VALUE 'T'**	
88 CAT-OBJ-SYNONYM-160	**COND VALUE '9'**	
03 FILLER	**X(2) DISPLAY**	Reserved.
03 CAT-OBJECT-IDENTIFIER-160	**S9(8) COMP SYNC**	Table definition number for CATENTRY-160 occurrences that represent data tables.
02 CAT-ACCESS-CONTROL-160	**DISPLAY**	Access control.
03 CAT-CONTROL-FLAGS-160	**X(8) BIT**	Access control flags. X'8000' Entity is part of catalog foundation. X'4000' Duplicate names are not allowed. X'2000' Propagation is not allowed. X'1000' Entity is locked. X'0800' Entity is encrypted. X'0400' Return receipt is requested (used by the mail facility).
03 FILLER	**X(3) DISPLAY**	Reserved.
02 CAT-PC-INFORMATION-160	**DISPLAY**	
03 CAT-LTR-NUMBER-160	**9(9) COMP-3**	Letter number seed.
03 FILLER	**X(11) DISPLAY**	
02 CAT-USO-BYTES-160	**S9(8) COMP SYNC**	For CATENTRY-160 occurrences that represent objects, this field contains the number of unstructured records required to store the object.

Field	Picture	Description
02 CAT-IDMSR-BYTES-160	**S9(8) COMP SYNC**	For CATENTRY-160 occurrences that represent users, this field contains the number of tables owned by the user. If the object is a datatable, the number is one.
02 CAT-PROCESS-REQUIREMENTS-160	**DISPLAY**	Processing requirements.
03 CAT-AFFILIATION-SIZE-160	**S9(4) COMP SYNC**	Number of bytes required to store the database keys of the groups with which the user is affiliated (for CATENTRY-160 occurrences that represent users).
03 CAT-STACK-SIZE-160	**S9(4) COMP SYNC**	Number of bytes required for the implode/explode stack.
03 CAT-DIRECTORY-SIZE-160	**S9(4) COMP SYNC**	Reserved.
03 FILLER	**X(2) DISPLAY**	
02 CAT-TIMESTAMPS-160	**DISPLAY**	Entity history.
03 CAT-CREATED-160	**DISPLAY**	Creation time stamp.
04 CAT-DATE-CREATED-160	**9(7) COMP-3**	Date created (*yymmdd*).
04 CAT-TIME-CREATED-160	**9(7) COMP-3**	Time created (*hhmmsst*).
04 CAT-CREATOR-160	**X(32) DISPLAY**	User who created the entity.
03 CAT-DATA-ACCESSED-160	**DISPLAY**	Last accessed time stamp.
04 CAT-DATE-ACCESSED-160	**9(7) COMP-3**	Date last accessed (*yymmdd*).
04 CAT-TIME-ACCESSED-160	**9(7) COMP-3**	Time last accessed (*hhmmsst*).
04 CAT-ACCESSOR-160	**X(32) DISPLAY**	User who last accessed the entity.
03 CAT-SIGNED-ON-160	**DISPLAY REDEFINES CAT-DATA-ACCESSED-160**	Signon time stamp.
04 CAT-DATE-SIGNED-ON-160	**9(7) COMP-3**	Date of last signon (*yymmdd*).

Field	Picture	Description
04 CAT-TIME-SIGNED-ON-160	**9(7) COMP-3**	Time of last signon (*hhmmsst*).
04 CAT-SIGNON-INFO-160	**DISPLAY**	Reserved.
05 CAT-SIGNON-NODE-160	**X(8) DISPLAY**	
05 FILLER	**X(24) DISPLAY**	
03 CAT-DATA-MODIFIED-160	**DISPLAY**	Reserved.
04 CAT-DATE-MODIFIED-160	**9(7) COMP-3**	
04 CAT-TIME-MODIFIED-160	**9(7) COMP-3**	
04 CAT-MODIFIER-160	**X(32) DISPLAY**	
03 CAT-DATA-REDEFINED-160	**DISPLAY**	Reserved.
04 CAT-DATE-REDEFINED-160	**9(7) COMP-3**	
04 CAT-TIME-REDEFINED-160	**9(7) COMP-3**	
04 CAT-REDEFINER-160	**X(32) DISPLAY**	
03 CAT-ENTRY-ALTERED-160	**DISPLAY**	Catalog entry alteration time stamp.
04 CAT-DATE-ALTERED-160	**9(7) COMP-3**	Date last altered (*yymmdd*).
04 CAT-TIME-ALTERED-160	**9(7) COMP-3**	Time last altered (*hhmmsst*).
04 CAT-ALTERANT-160	**X(32) DISPLAY**	User who last altered the entity.

3.11 CATEXT-163

Description: CATEXT-163 occurrences serve as extensions to CATENTRY-160 occurrences. The CATEXT-163 record contains additional information about Information Database (IDB) and Automatic System Facility (ASF) catalog entities.

Record length: 512

Established by: IDB Manager

Member of: CATENTRY-CATEXT

Location mode: VIA set CATENTRY-CATEXT

Within area: DDLDML

Field	Picture	Description
02 CAT-EXTENSION-LENGTH-163	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in CAT-EXTENSION-DATA-163.
02 CAT-EXTENSION-DATA-163	**X(1) DISPLAY OCCURS 0 TO 510 TIMES DEPENDING ON CAT-EXTENSION-LENGTH-163**	Extension data. The first four occurrences of this field (four bytes total) identify the type of extension data; for example, if the CATEXT-163 occurrence contains user limits, the first four occurrences of this field will contain the identifier DFLT.

3.12 CATNEST-161

Description: CATNEST-161 occurrences represent relationships between Information Database (IDB) or Automatic System Facility (ASF) catalog entities. CATNEST-161 is the nesting junction record for the CATENTRY-160 record type; however, the fields in the CATNEST-161 record differ from the fields in most other nesting junction records.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 36

Established by: IDB Manager

Member of: CATNEST-EXPL, CATNEST-IMPL

Location mode: VIA set CATNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 CAT-MEMBER-IDENTIFICATION-161	DISPLAY	Lower level entity identification.
03 CAT-MEMBER-ENTRY-NAME-161	X(32) DISPLAY	Entity name.
02 CAT-MEMBER-INFORMATION-161	DISPLAY	Lower level entity information.
03 CAT-MEMBER-ENTRY-TYPE-161	BIT	Entity type. X'40' Catalog X'20' Group X'08' User X'04' Folder X'01' Object
03 CAT-MEMBER-OBJECT-TYPE-161	X(1) DISPLAY	Object type (if the lower level entity is an object).
88 CAT-OBJ-DATA-161	COND VALUE 'D'	
88 CAT-OBJ-MODEL-161	COND VALUE 'M'	
88 CAT-OBJ-PICTURE-161	COND VALUE 'P'	

Field	Picture	Description
88 CAT-OBJ-SYSTEM-161	**COND VALUE 'S'**	
88 CAT-OBJ-TEXT-161	**COND VALUE 'T'**	
88 CAT-OBJ-SYNONYM-161	**COND VALUE '9'**	
03 CAT-LTR-STAT-161	**X(1) DISPLAY**	Letter status (mail). X'00' Return to sender (SEND failed) C'C' Return receipt (undelivered) C'P' Pending (undelivered) C'R' Received C'S' Sender C'V' Return to sender (DELETE failed) C'W' Deleted
03 CAT-FLAG-161	**X(8) BIT**	Flag. X'80' Return receipt

3.13 CATPASSKEY-162

Description: CATPASSKEY-162 occurrences represent the authorization relationships between Information Database (IDB) or Automatic System Facility (ASF) catalog entities. The CATENTRY-160 occurrence that owns the CATPASSKEY-TAKE set is authorized to access (with the passkeys indicated in the CATPASSKEY-162 occurrence) the CATENTRY-160 occurrence that owns the CATPASSKEY-TAKE set.

Record length: 36

Established by: IDB Manager

Member of: CATPASSKEY-GIVE, CATPASSKEY-TAKE

Location mode: VIA set CATPASSKEY-GIVE

Within area: DDLDML

Field	Picture	Description
02 CAT-PASSKEYS-162	**BIT**	
03 CAT-PASSKEY-162	**X(8) BIT**	Passkeys.
		X'800000' BROWSE
		X'400000' LIST
		X'200000' COPY
		X'100000' CREATE
		X'080000' ADD
		X'040000' MODIFY
		X'020000' ERASE
		X'010000' REDEFINE
		X'008000' MANAGEMENT
03 CAT-PASSKEY-XX-162	**X(8) BIT**	Reserved.
02 CAT-PASSKEY-CONTROL-162	**X(8) BIT**	Passkey control.
		X'008000' The passkey is part of the foundation and cannot be deleted.
		X'004000' Synonym (reserved).
02 CAT-GRANTEE-162	**X(32) DISPLAY**	User who is granted the passkey.

3.14 CATRNUM-164

Description: CATRNUM-164 occurrences contain the table definition numbers assigned to Information Database (IDB) and Automatic System Facility (ASF) catalog entities that represent data tables.

Record length: 4

Established by: IDB Manager

Owner of: CATRNUM-CATENTRY

Location mode: CALC using CAT-RNUM-CALCKEY

Within area: DDLDML

Field	Picture	Description
02 CAT-RNUM-IDENTIFICATION-164	**DISPLAY**	
03 CAT-RNUM-CALCKEY-164	**DISPLAY**	CALC key.
04 CAT-RNUM-164	**S9(8) COMP SYNC**	Table definition number.

3.15 CLASS-092

Description: Occurrences of the CLASS-092 record type represent classes and user-defined entity types.

Record length: 60

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, schema compiler

Owner of: CLASS-ATTR, CLASS-CLASSCMT

Member of: OOAK-CLASS

Location mode: CALC using CLASS-NAME-092

Within area: DDLDML

Field	Picture	Description
02 CLASS-NAME-092	X(20) DISPLAY	Class name.
02 DATE-LU-092	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-092	X(8) DISPLAY	Date established.
02 PREP-BY-092	X(8) DISPLAY	User who added the class.
02 REV-BY-092	X(8) DISPLAY	User who last updated the class.
02 AUTO-ATTR-092	X(1) DISPLAY	Automatic indicator. If this field contains the character A, attributes for the class are added automatically when they are first referenced. If this field contains a blank, attributes for the class must be added manually.
02 SING-ATTR-092	X(1) DISPLAY	Singular indicator. If this field contains the character S, only one attribute within the class can be associated with a given entity occurrence. If this field contains a blank, multiple attributes within the class can be associated with a given entity occurrence.
02 DEL-CODE-092	X(1) DISPLAY	Deletion lock byte. If this field contains the character X, the class cannot be deleted. If this field contains a blank, the class can be deleted.

Field	Picture	Description
02 ENTITY-092	**X(1)** **DISPLAY**	User-defined entity indicator. If this field contains the character E, the CLASS-092 occurrence represents a user-defined entity. If this field contains a blank, the CLASS-092 occurrence represents a standard class.
02 FILLER	**X(4)** **DISPLAY**	

3.16 CLASSCMT-086

Description: CLASSCMT-086 is the comment record associated with the CLASS-092 record type.

Record length: 108

Established by: IDD DDDL compiler

Member of: CLASS-CLASSCMT

Location mode: VIA set CLASS-CLASSCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-086	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-086	**DISPLAY**	
03 CMT-INFO-086	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-086	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.17 CVGDEFS-142

Description: CVGDEFS-142 is a logical extension of the SYS-041 record type. CVGDEFS-142 occurrences contain additional CA-IDMS system generation definitions for the SYS-041 occurrence that owns the SYS-CVGDEFS set.

Each CVGDEFS-142 occurrence contains two 02-level group data fields (CVG-GROUP1-142 and CVG-GROUP2-142) that correspond to a single system generation statement. The data fields in the first group are updated when the applicable system generation statement is submitted. The data fields in the second group parallel the data fields in the first group; these fields are updated when a GENERATE statement is submitted.

Record length: 320

Established by: CA-IDMS system generation compiler

Member of: SYS-CVGDEFS

Location mode: VIA set SYS-CVGDEFS

Within area: DDLDML

Field	Picture	Description
02 CVG-TYPE-142	**X(8) BIT**	Type code. The type code reflects the CA-IDMS system generation statement that provides the information contained in the record. The data fields that comprise a CVGDEFS-142 occurrence vary depending on the type code.

        X'02' IDMS PROGRAM
        X'04' ADSO
        X'05' OLQ
        X'07' OLM
        X'08' KEYS
        X'09' KEYS FOR APPLICATION
        X'0A' STORAGE POOL or XA STORAGE POOL
        X'0B' IDD
        X'0C' AUTOTASK
        X'0D' MAPTYPE
        X'0E' LOADLIST
        X'0F' PRE-DEFINED RUN UNITS
        X'10' RESOURCE TABLE
        X'11' NODE TABLE
        X'12' SERVICE TABLE

Field	Picture	Description
02 ACTION-CODE-142	**X(1) DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 BUILDER-142	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 CVG-GROUP1-142	**X(148) DISPLAY**	Group 1 data fields. The CA-IDMS system generation compiler updates group 1 fields when the user submits the applicable system generation statement. The values in the group 1 data fields are copied to the corresponding group 2 data fields when the user submits a GENERATE statement.
02 CVG-PROGRAM-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'02'; these occurrences represent CA-IDMS/DB programs.
03 FILLER	**X(2)**	
03 CVG-PROG-INT-WAIT1-142	**S9(4) COMP SYNC**	Internal wait interval for the program.
03 CVG-PROG-EXT-WAIT1-142	**S9(4) COMP SYNC**	External wait interval for the program.
03 CVG-PROG-ACQ-THRESH1-142	**S9(4) COMP SYNC**	Number of times the program can be preempted.
03 CVG-PROG-USAGE-MODE1-142	**X(8) BIT**	Initial status of the program. If this field contains X'00', the program is initially online; if this field contains X'01', the program is initially offline.
03 CVG-PROG-NAME1-142	**X(8) DISPLAY**	Program name.
03 CVG-PROG-SS-NAME1-142	**X(8) DISPLAY**	Name of the subschema that the program must use.
03 CVG-PROG-PRIORITY1-142	**X(8) BIT**	Program run-unit priority.
03 CVG-PROG-ACQ-RETRY1-142	**S9(4) COMP SYNC**	Area acquisition retry.
03 CVG-PROG-CPU-LIMIT1-142	**S9(8) COMP SYNC**	CPU limit.
03 CVG-PROG-TIME-LIMIT1-142	**S9(8) COMP SYNC**	Time limit.
03 CVG-PROG-LOCK-LIMIT1-142	**S9(8) COMP SYNC**	Lock limit.

Field	Picture	Description
03 CVG-PROG-CALL-LIMIT1-142	**S9(8) COMP SYNC**	Call limit.
03 CVG-PROG-DBIO-LIMIT1-142	**S9(8) COMP SYNC**	DBIO limit.
03 CVG-PROG-STG-LIMIT1-142	**S9(8) COMP SYNC**	Storage limit.
03 FILLER	**X(96) DISPLAY**	
02 CVG-ADSO-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'04'; these occurrences define the CA-ADS environment.
03 CVG-OA-PRM1-142	**S9(8) COMP SYNC**	Size, in bytes, of the primary record buffer.
03 CVG-OA-SEC1-142	**S9(8) COMP SYNC**	Size, in bytes, of any secondary record buffers.
03 CVG-OA-FMT1-142	**S9(8) COMP SYNC**	Fast mode threshold (in bytes).
03 CVG-OA-MAX1-142	**S9(4) COMP SYNC**	Maximum number of levels permitted in an application thread.
03 CVG-OA-SD-REC-VER1-142	**S9(4) COMP SYNC**	Status definition record version number.
03 CVG-OA-SD-REC-NAME1-142	**X(32) DISPLAY**	Status definition record version name.
03 CVG-OA-APR1-142	**X(8) DISPLAY**	Autodialog name.
03 CVG-OA-FLAG1-1-142	**X(8) BIT**	Flag byte 1 for CA-ADS options. X'80' USER MENU X'40' MENU KEEP X'20' AUTOSTATUS YES X'10' AUTOSTATUS MANADATORY X'08' DIALOG SCREEN = NO X'04' STATUS DEFINITION MANDATORY X'02' NEWPAGE MAPOUT = YES X'01' ACTIVITY LOG IS NO

Field	Picture	Description
03 CVG-OA-FLAG2-1-142	**X(8) BIT**	Flag byte 2 for CA-ADS options.
		X'80' RESOURCES RELOCATABLE X'40' STATISTICS ON X'20' STATISTICS ON SELECTED X'10' COBOL MOVE IS YES X'08' STORAGE IS CALCULATED X'04' STORAGE IS COMPRESSED X'02' COBOL MOVE MANDATORY
03 CVG-OA-PRIM-TASK-CODE1-142	**X(8) DISPLAY**	CA-ADS primary task code.
03 CVG-OA-SECON-TASK-CODE1-142	**X(8) DISPLAY**	CA-ADS secondary task code.
03 CVG-OA-CKPT-INT1-142	**S9(4) COMP SYNC**	Statistics checkpoint interval.
03 CVG-OA-UCE-TASK-CODE1-142	**X(8) DISPLAY**	CA-ADS umbrella task code.
03 FILLER	**X(64) DISPLAY**	
02 CVG-OLQ-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'05'; these occurrences define the CA-OLQ environment.
03 CVG-OLQ-PRINT-LINE-SIZE1-142	**S9(4) COMP SYNC**	Line length, in characters, for TTY-type terminals.
03 CVG-OLQ-PRINT-PAGE-SIZE1-142	**S9(4) COMP SYNC**	Page length, in lines, for TTY-type terminals.
03 CVG-OLQ-INTERRUPT-COUNT1-142	**S9(4) COMP SYNC**	Interrupt count.
03 CVG-OLQ-INT-PAGE-SIZE1-142	**S9(4) COMP SYNC**	Internal storage page size, in bytes.
03 CVG-OLQ-REP-PAGE-SIZE1-142	**S9(4) COMP SYNC**	Page size, in bytes, for CA-OLQ report files.
03 CVG-OLQ-INP-LINE-SIZE1-142	**S9(4) COMP SYNC**	Number of lines on the screen that are available for input.
03 CVG-OLQ-REP-RETENTION1-142	**S9(4) COMP SYNC**	Default report retention period, in days.
03 CVG-OLQ-MAX-REP-RETENTION1-142	**S9(4) COMP SYNC**	Maximum report retention period, in days.

Field	Picture	Description
03 CVG-OLQ-MAX-REP-PAGES1-142	**S9(4) COMP SYNC**	Maximum report size, in pages (4096 bytes).
03 CVG-OLQ-MAX-REP-COUNT1-142	**S9(4) COMP SYNC**	Maximum number of reports that each user can save in the DDLDCRUN area.
03 CVG-OLQ-USER-Q-RETENTION1-142	**S9(4) COMP SYNC**	User queue retention period, in days.
03 CVG-OLQ-FLAG1-1-142	**X(8) BIT**	Flag byte 1 for CA-OLQ options. X'20' Menu mode disallowed X'10' Menu mode only X'08' Upper/lower case X'04' Security — high X'02' Security — low X'01' No security
03 CVG-OLQ-FLAG2-1-142	**X(8) BIT**	Flag byte 2 for CA-OLQ options. X'10' SQL compliance ANSI X'08' SQL compliance FIPS X'04' SQL compliance SAA X'04' SQL compliance extended X'1E' All compliances X'01' SQL is IDMSSQL
03 CVG-OLQ-CONTINUATION-CHAR1-142	**X(1) DISPLAY**	Continuation character.
03 CVG-OLQ-SEPARATOR-CHAR1-142	**X(1) DISPLAY**	Separation character.
03 CVG-OLQ-COMMENT-CHAR1-142	**X(1) DISPLAY**	Comment character.
03 CVG-OLQ-TRANS-IDENT1-142	**X(8) DISPLAY**	Task code used to invoke the CA-OLQ runtime system.
03 CVG-OLQ-PFKEY-MOD-NAME1-142	**X(8) DISPLAY**	Name of the module that contains the default control key assignments for CA-OLQ.
03 CVG-OLQ-REP-DICT1-142	**X(8) DISPLAY**	Report dictionary name.
03 FILLER	**X(1) DISPLAY**	
03 CVG-OLQ-MAX-INT-COUNT1-142	**S9(8) COMP SYNC**	Maximum interrupt count.
03 CVG-OLQ-MAX-SORT-STG1-142	**S9(4) COMP SYNC**	Maximum sort storage.

Field	Picture	Description
03 CVG-OLQ-BATCH-CLASS1-142	**S9(4) COMP SYNC**	Batch class.
03 FILLER	**X(88) DISPLAY**	
02 CVG-OLM-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'07'; these occurrences define the online mapping environment.
03 CVG-OLM-PAGE-STORAGE1-142	**S9(4) COMP SYNC**	Amount of storage, in bytes, available to maintain a paging session.
03 CVG-OLM-FLAG1-142	**X(8) BIT**	Flag byte 1 for mapping options. X'08' New copy is yes X'04' Numeric field order reversed X'02' Decimal point is comma X'01' Fast mode
03 CVG-OLM-FIELD-MARK1-142	**X(1) DISPLAY**	Field start character. This field contains the keyboard character used to mark the beginning of a map field.
03 CVG-OLM-FIELD-MODIFY1-142	**X(1) DISPLAY**	Field select character. This field contains the keyboard character used to mark a map field for inclusion in the field selection list.
03 CVG-OLM-DELIMIT-CHAR1-142	**X(1) DISPLAY**	Field delimit character. This field contains the keyboard character used to mark the end of a map field.
03 CVG-OLM-DATA-FIELD-CHAR1-142	**X(1) DISPLAY**	Data field character. This field contains the keyboard character used to mark the position of a one-byte data field.
03 CVG-OLM-PAGE-FWD-CHAR1-142	**X(1) DISPLAY**	Program function key that controls forward paging in a pageable map.
03 CVG-OLM-PAGE-BWD-CHAR1-142	**X(1) DISPLAY**	Program function key that controls backward paging in a pageable map.
03 CVG-OLM-Q-RETENTION1-142	**X(1) DISPLAY**	Amount of time, in days, that records from a suspended mapping session are retained in the queue area.
03 CVG-OLM-CURSOR-CHAR1-142	**X(1) DISPLAY**	Cursor character (BS2000/OSD only).
03 CVG-OLM-TRANSLATE-CHAR1-142	**X(1) DISPLAY**	Translate character.

Field	Picture	Description
03 CVG-OLM-PAD-CHAR1-142	**X(1)** **DISPLAY**	Pad character.
03 CVG-OLM-FLAG2-1-142	**X(8) BIT**	Flag byte 2 for mapping options. X'08' — Delimit is skip X'04' — Delimit is yes X'02' — Edit is yes X'01' — Pad character is set
03 CVG-OLM-HELP-PFK1-142	**X(1)** **DISPLAY**	Program function key that invokes help processing.
03 FILLER	**X(133)** **DISPLAY**	
02 CVG-PFK-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'08' or X'09'; these occurrences define keys tables.
03 CVG-PFK-NUM-PAIRS1-142	**S9(4) COMP SYNC**	Total number of AID key/function pairs.
03 CVG-PFK-TABLE-NAME1-142	**X(8)** **DISPLAY**	Keys table name.
03 CVG-PFK-APPL-NAME1-142	**X(8)** **DISPLAY**	Name of the application with which the keys table is associated.
03 CVG-PFK-AID-FUNC-PAIRS1-142	**X(68)** **DISPLAY**	Up to 34 AID-byte/function -number pairs. The first byte of each pair contains the AID byte for the control key being included in the table; the second byte contains the function number of the function to which the control key is assigned.
03 FILLER	**X(62)** **DISPLAY**	
02 CVG-STORAGE-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0A'; these occurrences define secondary storage pools.
03 CVG-SP-SIZE1-142	**S9(8) COMP SYNC**	Storage pool size, in K bytes.
03 CVG-SP-CUSH1-142	**S9(8) COMP SYNC**	Storage pool cushion size, in K bytes.
03 CVG-SP-NUM1-142	**X(8) BIT**	Storage pool number. 1 - 127 — Regular storage pool 128 - 254 — XA storage pool

Field	Picture	Description
03 CVG-SP-FLAG1-1-142	X(8) BIT	Flag byte 1 for storage pool options.
		X'04' — PGFIXit is yes
03 CVG-SP-FLAG2-1-142	X(8) BIT	Flag byte 2 for storage pool options.
		X'80' — SHARED X'40' — SHARED-KEPT X'20' — USER X'10' — USER-KEPT X'08' — Terminal X'04' — Database
03 CVG-SP-REL-THRESH-PCT1-142	X(8) BIT	Relocatable threshold percent.
03 FILLER	X(136) DISPLAY	
02 CVG-IDD-GROUP1-142	DISPLAY REDEFINES CVG-GROUP1- 142	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0B'; these occurrences define the IDD environment.
03 CVG-IDD-DML-USAGE1-142	S9(4) COMP SYNC	Usage mode for DDLDML area.
03 CVG-IDD-DCLOD-USAGE1-142	S9(4) COMP SYNC	Usage mode for DDLDCLOD area.
03 CVG-IDD-DCMSG-USAGE1-142	S9(4) COMP SYNC	Usage mode for DDLDCMSG area.
02 CVG-AUTOTASK-GROUP1-142	DISPLAY REDEFINES CVG-GROUP1- 142	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0C'; these occurrences describe tasks called AUTOTASK.
03 CVG-AT-NAME1-142	X(8) DISPLAY	Task name.
03 CVG-AT-FLAG1-142	X(8) BIT	Flag byte for AUTOTASK options.
		X'80' — Invoked at startup X'40' — Invoked at shutdown X'20' — Preempt X'10' — Abend
03 FILLER	X(139) DISPLAY	

Field	Picture	Description
02 CVG-MAPTYPE-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0D'; these occurrences describe alternate map type table entries.
03 CVG-MAPTYPE-NAME1-142	**X(8) DISPLAY**	Map type name.
03 CVG-MAPTYPE-FROM-MAP1-142	**X(8) DISPLAY**	Originally invoked map name.
03 CVG-MAPTYPE-TO-MAP1-142	**X(8) DISPLAY**	Alternative map name.
03 FILLER	**X(124) DISPLAY**	
02 CVG-LOADLIST-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0E'; these occurrences describe program search loadlist entries.
03 CVG-LOADLIST-NAME1-142	**X(8) DISPLAY**	Loadlist name.
03 FILLER	**X(1) DISPLAY**	
03 CVG-LOADLIST-FLAG1-142	**X(1) DISPLAY**	Loadlist flag. If the bit is not set, the entry is for an operating system load library. X'01' — CA-IDMS dictionary
03 CVG-LOADLIST-VER1-142	**S9(4) COMP SYNC**	Specifies a load library entry whose DDNAME (OS/390) or linkname (BS2000/OSD) is V*nnnn*; *nnnn* is the value in this field.
03 CVG-LOADLIST-NODE1-142	**X(8) DISPLAY**	Node name for a dictionary entry.
03 CVG-LOADLIST-LIB1-142	**X(18) DISPLAY**	The dictionary name (for a dictionary entry) or the DDNAME (OS/390) or linkname (BS2000/OSD) for a load library. High-values inidcates user-default; low-values indicates system default.
03 FILLER	**X(110) DISPLAY**	
02 CVG-PREDEF-RUNUNIT-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'0F'; these occurrences describe predefined run units.

Field	Picture	Description
03 CVG-PRU-TYPE1-142	**X(8) BIT**	Run unit type. X'03' — Loader X'0C' — Loader (catalog area) X'0D' — Security (catalog area)
03 FILLER	**X(1)** **DISPLAY**	
03 CVG-PRU-SS1-142	**X(8)** **DISPLAY**	Subschema name.
03 CVG-PRU-NODE1-142	**X(8)** **DISPLAY**	Node.
03 CVG-PRU-DBNAME1-142	**X(8)** **DISPLAY**	Dictionary name.
03 CVG-PRU-COUNT1-142	**S9(4) COMP** **SYNC**	Number of run units.
03 CVG-PRU-TIMEOUT1-142	**S9(8) COMP** **SYNC**	Run unit timeout interval.
03 FILLER	**X(116)** **DISPLAY**	
02 CVG-RESTAB-GROUP1-142	**DISPLAY** **REDEFINES** **CVG-** **GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'10'; these occurrences describe resource table entries.
03 CVG-RESTAB-RESOURCE1-142	**X(44)** **DISPLAY**	Resource name.
03 CVG-RESTAB-NODE1-142	**X(8)** **DISPLAY**	Name of the node where the resource is located.
03 FILLER	**X(96)** **DISPLAY**	
02 CVG-NODTAB-GROUPL01-142	**DISPLAY** **REDEFINES** **CVG-** **GROUP1- 142**	
03 CVG-NODTLO-NODE1-142	**X(8)** **DISPLAY**	Node name.
03 CVG-NODTLO-CNVWGT1-142	**S9(4) COMP** **SYNC**	Conversion weight.

Field	Picture	Description
03 CVG-NODTLO-ACCESS1-142	**X(1) DISPLAY**	Access type.
03 CVG-NODTLO-DATA1-142	**X(44) DISPLAY**	Type-specific data.
03 FILLER	**X(93) DISPLAY**	
02 CVG-NODTAB-GRPCV1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	CVNUM option.
03 CVG-NODTCV-NODE1-142	**X(8) DISPLAY**	Node name.
03 CVG-NODTCV-CNVWGT1-142	**S9(4) COMP SYNC**	Conversion weight.
03 CVG-NODTCV-ACCESS1-142	**X(1) DISPLAY**	Access type.
03 CVG-NODTCV-RACCESS1-142	**X(1) DISPLAY**	Access type repeated.
03 CVG-NODTCV-CVNUM1-142	**S9(4) COMP SYNC**	Central version number.
03 CVG-NODTCV-SVC1-142	**S9(4) COMP SYNC**	SVC number.
03 CVG-NODTCV-BLKSZ1-142	**S9(4) COMP SYNC**	Blocksize.
03 FILLER	**X(126) DISPLAY**	
02 CVG-NODTAB-GRPVM1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	VMCF option.
03 CVG-NODTVM-NODE1-142	**X(8) DISPLAY**	Node name.
03 CVG-NODTVM-CNVWGT1-142	**S9(4) COMP SYNC**	Conversion weight.
03 CVG-NODTVM-ACCESS1-142	**X(1) DISPLAY**	Access type.
03 FILLER	**X(1) DISPLAY**	

Field	Picture	Description
03 CVG-NODTVM-BLKSZ1-142	S9(4) COMP SYNC	Blocksize.
03 CVG-NODTVM-MACHINE1-142	X(8) DISPLAY	The name of the virtual machine that VMCF will use to access the named node.
03 FILLER	X(126) DISPLAY	
02 CVG-NODTAB-GRPAP1-142	DISPLAY REDEFINES CVG-GROUP1- 142	APPC option.
03 CVG-NODTAP-NODE1-142	X(8) DISPLAY	Node name.
03 CVG-NODTAP-CNVWGT1-142	S9(4) COMP SYNC	Conversion weight.
03 CVG-NODTAP-ACCESS1-142	X(1) DISPLAY	Access type.
03 CVG-NODTAP-LUNAME1-142	X(8) DISPLAY	LU name.
03 CVG-NODTAP-MODE1-142	X(8) DISPLAY	Mode name.
03 FILLER	X(121) DISPLAY	
02 CVG-NODTAB-GRPDC1-142	DISPLAY REDEFINES CVG-GROUP1- 142	DCAM option.
03 CVG-NODTDC-NODE1-142	X(8) DISPLAY	Node name.
03 CVG-NODTDC-CNVWGT1-142	S9(4) COMP SYNC	Conversion weight.
03 CVG-NODTDC-ACCESS1-142	X(1) DISPLAY	Access type.
03 CVG-NODTDC-TARGET1-142	X(8) DISPLAY	Target.
03 CVG-NODTAP-PROCESSOR1-142	X(8) DISPLAY	Processor.
03 FILLER	X(121) DISPLAY	

Field	Picture	Description
02 CVG-NODTAB-GRPGP1-142	**DISPLAY REDEFINES CVG-GROUP1-142**	Group option
03 CVG-NODTGP-NAME1	**X(8) DISPLAY**	Group name
03 FILLER	**X(2) DISPLAY**	
03 CVG-NODTGP-ACCESS1	**X(1) DISPLAY**	Access type
03 CVG-NODTGP-NODE1	**X(8) DISPLAY**	Default node for group
03 FILLER	**X(129) DISPLAY**	
02 CVG-SRVTAB-GROUP1-142	**DISPLAY REDEFINES CVG-GROUP1- 142**	Group 1 data fields for CVGDEFS-142 occurrences with type code X'12'; these occurrences describe service table entries.
03 CVG-SRVTAB-SRVC-NAME1-142	**X(8) DISPLAY**	Service name.
03 CVG-SRVTAB-SRVC-TYPE1-142	**S9(4) COMP SYNC**	Service type.
03 CVG-SRVTAB-SRVC-DATA1-142	**X(44) DISPLAY**	Server information.
03 FILLER	**X(94) DISPLAY**	
02 CVG-GROUP2-142	**X(148) DISPLAY**	Group 2 data fields. These data fields have a one-to-one correspondence with the group 1 data fields. The CA-IDMS system generation compiler updates group 2 fields when the user submits a GENERATE statement. For descriptions of these data fields, refer to the group 1 data field descriptions above.
02 CVG-PROGRAM-GROUP2-142	**DISPLAY REDEFINES CVG-GROUP2- 142**	
03 FILLER	**X(2) DISPLAY**	

Field	Picture	Description
03 CVG-PROG-INT-WAIT2-142	S9(4) COMP SYNC	
03 CVG-PROG-EXT-WAIT2-142	S9(4) COMP SYNC	
03 CVG-PROG-ACQ-THRESH2-142	S9(4) COMP SYNC	
03 CVG-PROG-USAGE-MODE2-142	X(8) BIT	
03 CVG-PROG-NAME2-142	X(8) DISPLAY	
03 CVG-PROG-SS-NAME2-142	X(8) DISPLAY	
03 CVG-PROG-PRIORITY2-142	X(8) BIT	
03 CVG-PROG-ACQ-RETRY2-142	S9(4) COMP SYNC	
03 CVG-PROG-CPU-LIMIT2-142	S9(8) COMP SYNC	
03 CVG-PROG-TIME-LIMIT2-142	S9(8) COMP SYNC	
03 CVG-PROG-LOCK-LIMIT2-142	S9(8) COMP SYNC	
03 CVG-PROG-CALL-LIMIT2-142	S9(8) COMP SYNC	
03 CVG-PROG-DBIO-LIMIT2-142	S9(8) COMP SYNC	
03 CVG-PROG-STG-LIMIT2-142	S9(8) COMP SYNC	
03 FILLER	X(96) DISPLAY	
02 CVG-ADSO-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-OA-PRM2-142	S9(8) COMP SYNC	
03 CVG-OA-SEC2-142	S9(8) COMP SYNC	

Field	Picture	Description
03 CVG-OA-FMT2-142	S9(8) COMP SYNC	
03 CVG-OA-MAX2-142	S9(4) COMP SYNC	
03 CVG-OA-SD-REC-VER2-142	S9(4) COMP SYNC	
03 CVG-OA-SD-REC-NAME2-142	X(32) DISPLAY	
03 CVG-OA-APR2-142	X(8) DISPLAY	
03 CVG-OA-FLAG1-2-142	X(8) BIT	
03 CVG-OA-FLAG2-2-142	X(8) BIT	
03 CVG-OA-PRIM-TASK-CODE2-142	X(8) DISPLAY	
03 CVG-OA-SECON-TASK-CODE2-142	X(8) DISPLAY	
03 CVG-OA-CKPT-INT2-142	S9(4) COMP SYNC	
03 CVG-OA-UCE-TASK-CODE2-142	X(8) DISPLAY	
03 FILLER	X(64) DISPLAY	
02 CVG-OLQ-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-OLQ-PRINT-LINE-SIZE2-142	S9(4) COMP SYNC	
03 CVG-OLQ-PRINT-PAGE-SIZE2-142	S9(4) COMP SYNC	
03 CVG-OLQ-INTERRUPT-COUNT2-142	S9(4) COMP SYNC	
03 CVG-OLQ-INT-PAGE-SIZE2-142	S9(4) COMP SYNC	
03 CVG-OLQ-REP-PAGE-SIZE2-142	S9(4) COMP SYNC	

Field	Picture	Description
03 CVG-OLQ-INP-LINE-SIZE2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-REP-RETENTION2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-MAX-REP-RETENTION2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-MAX-REP-PAGES2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-MAX-REP-COUNT2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-USER-Q-RETENTION2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-FLAG1-2-142	**X(8) BIT**	
03 CVG-OLQ-FLAG2-2-142	**X(8) BIT**	
03 CVG-OLQ-CONTINUATION-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLQ-SEPARATOR-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLQ-COMMENT-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLQ-TRANS-IDENT2-142	**X(8) DISPLAY**	
03 CVG-OLQ-PFKEY-MOD-NAME2-142	**X(8) DISPLAY**	
03 CVG-OLQ-REP-DICT2-142	**X(8) DISPLAY**	
03 FILLER	**X(1) DISPLAY**	
03 CVG-OLQ-MAX-INT-COUNT2-142	**S9(8) COMP SYNC**	
03 CVG-OLQ-MAX-SORT-STG2-142	**S9(4) COMP SYNC**	
03 CVG-OLQ-BATCH-CLASS2-142	**S9(4) COMP SYNC**	
03 FILLER	**X(88) DISPLAY**	

Field	Picture	Description
02 CVG-OLM-GROUP2-142	**DISPLAY REDEFINES CVG- GROUP2- 142**	
03 CVG-OLM-PAGE-STORAGE2-142	**S9(4) COMP SYNC**	
03 CVG-OLM-FLAG2-142	**X(8) BIT**	
03 CVG-OLM-FIELD-MARK2-142	**X(1) DISPLAY**	
03 CVG-OLM-FIELD-MODIFY2-142	**X(1) DISPLAY**	
03 CVG-OLM-DELIMIT-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-DATA-FIELD-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-PAGE-FWD-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-PAGE-BWD-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-Q-RETENTION2-142	**X(1) DISPLAY**	
03 CVG-OLM-CURSOR-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-TRANSLATE-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-PAD-CHAR2-142	**X(1) DISPLAY**	
03 CVG-OLM-FLAG2-2-142	**X(8) BIT**	
03 CVG-OLM-HELP-PFK2-142	**X(1) DISPLAY**	
03 FILLER	**X(133) DISPLAY**	
02 CVG-PFK-GROUP2-142	**DISPLAY REDEFINES CVG- GROUP2- 142**	
03 CVG-PFK-NUM-PAIRS2-142	**S9(4) COMP SYNC**	

Field	Picture	Description
03 CVG-PFK-TABLE-NAME2-142	**X(8) DISPLAY**	
03 CVG-PFK-APPL-NAME2-142	**X(8) DISPLAY**	
03 CVG-PFK-AID-FUNC-PAIRS2-142	**X(68) DISPLAY**	
03 FILLER	**X(62) DISPLAY**	
02 CVG-STORAGE-GROUP2-142	**DISPLAY REDEFINES CVG-GROUP2- 142**	
03 CVG-SP-SIZE2-142	**S9(8) COMP SYNC**	
03 CVG-SP-CUSH2-142	**S9(8) COMP SYNC**	
03 CVG-SP-NUM2-142	**X(8) BIT**	
03 CVG-SP-FLAG1-2-142	**X(8) BIT**	
03 CVG-SP-REL-THRESH-PCT2-142	**X(8) BIT**	
03 FILLER	**X(136) DISPLAY**	
02 CVG-IDD-GROUP2-142	**DISPLAY REDEFINES CVG-GROUP2- 142**	
03 CVG-IDD-DML-USAGE2-142	**S9(4) COMP SYNC**	
03 CVG-IDD-DCLOD-USAGE2-142	**S9(4) COMP SYNC**	
03 CVG-IDD-DCMSG-USAGE2-142	**S9(4) COMP SYNC**	
02 CVG-AUTOTASK-GROUP2-142	**DISPLAY REDEFINES CVG-GROUP2- 142**	
03 CVG-AT-NAME2-142	**X(8) DISPLAY**	

Field	Picture	Description
03 CVG-AT-FLAG2-142	X(8) BIT	
03 FILLER	X(139) DISPLAY	
02 CVG-MAPTYPE-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-MAPTYPE-NAME2-142	X(8) DISPLAY	
03 CVG-MAPTYPE-FROM-MAP2-142	X(8) DISPLAY	
03 CVG-MAPTYPE-TO-MAP2-142	X(8) DISPLAY	
03 FILLER	X(124) DISPLAY	
02 CVG-LOADLIST-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-LOADLIST-NAME2-142	X(8) DISPLAY	
03 FILLER	X(1) DISPLAY	
03 CVG-LOADLIST-FLAG2-142	X(1) DISPLAY	
03 CVG-LOADLIST-VER2-142	S9(4) COMP SYNC	
03 CVG-LOADLIST-NODE2-142	X(8) DISPLAY	
03 CVG-LOADLIST-LIB2-142	X(18) DISPLAY	
03 FILLER	X(110) DISPLAY	
02 CVG-PREDEF-RUNUNIT-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-PRU-TYPE2-142	X(8) BIT	

Field	Picture	Description
03 FILLER	X(1) DISPLAY	
03 CVG-PRU-SS2-142	X(8) DISPLAY	
03 CVG-PRU-NODE2-142	X(8) DISPLAY	
03 CVG-PRU-DBNAME2-142	X(8) DISPLAY	
03 CVG-PRU-COUNT2-142	S9(4) COMP SYNC	
03 CVG-PRU-TIMEOUT2-142	S9(8) COMP SYNC	
03 FILLER	X(116) DISPLAY	
02 CVG-RESTAB-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-RESTAB-RESOURCE2-142	X(44) DISPLAY	
03 CVG-RESTAB-NODE2-142	X(8) DISPLAY	
03 FILLER	X(96) DISPLAY	
02 CVG-NODTAB-GROUPL02-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-NODTLO-NODE2-142	X(8) DISPLAY	
03 CVG-NODTLO-CNVWGT2-142	S9(4) COMP SYNC	
03 CVG-NODTLO-ACCESS2-142	X(1) DISPLAY	
03 CVG-NODTLO-RACCESS2-142	X(1) DISPLAY	
03 CVG-NODTLO-DATA2-142	X(44) DISPLAY	

Field	Picture	Description
03 FILLER	X(93) DISPLAY	
02 CVG-NODTAB-GRPCV2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-NODTCV-NODE2-142	X(8) DISPLAY	
03 CVG-NODTCV-CNVWGT2-142	S9(4) COMP SYNC	
03 CVG-NODTCV-ACCESS2-142	X(1) DISPLAY	
03 FILLER	X(1) DISPLAY	
03 CVG-NODTCV-CVNUM2-142	S9(4) COMP SYNC	
03 CVG-NODTCV-SVC2-142	S9(4) COMP SYNC	
03 CVG-NODTCV-BLKSZ2-142	S9(4) COMP SYNC	
03 FILLER	X(126) DISPLAY	
02 CVG-NODTAB-GRPVM2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-NODTVM-NODE2-142	X(8) DISPLAY	
03 CVG-NODTVM-CNVWGT2-142	S9(4) COMP SYNC	
03 CVG-NODTVM-ACCESS2-142	X(1) DISPLAY	
03 FILLER	X(1) DISPLAY	
03 CVG-NODTVM-BLKSZ2-142	S9(4) COMP SYNC	
03 CVG-NODTVM-MACHINE2-142	X(8) DISPLAY	

Field	Picture	Description
03 FILLER	**X(126) DISPLAY**	
02 CVG-NODTAB-GRPAP2-142	**DISPLAY REDEFINES CVG- GROUP2- 142**	
03 CVG-NODTAP-NODE2-142	**X(8) DISPLAY**	
03 CVG-NODTAP-CNVWGT2-142	**S9(4) COMP SYNC**	
03 CVG-NODTAP-ACCESS2-142	**X(1) DISPLAY**	
03 CVG-NODTAP-LUNAME2-142	**X(8) DISPLAY**	
03 CVG-NODTAP-MODE2-142	**X(8) DISPLAY**	
03 FILLER	**X(121) DISPLAY**	
02 CVG-NODTAB-GRPDC2-142	**DISPLAY REDEFINES CVG- GROUP2- 142**	
03 CVG-NODTDC-NODE2-142	**X(8) DISPLAY**	
03 CVG-NODTDC-CNVWGT2-142	**S9(4) COMP SYNC**	
03 CVG-NODTDC-ACCESS2-142	**X(1) DISPLAY**	
03 CVG-NODTDC-TARGET2-142	**X(8) DISPLAY**	
03 CVG-NODTAP-PROCESSOR2-142	**X(8) DISPLAY**	
03 FILLER	**X(121) DISPLAY**	
02 CVG-NODTAB-GRPGP2-142	**DISPLAY REDEFINES CVG-GROUP2-142**	Group option

Field	Picture	Description
03 CVG-NODTGP-NAME2	X(8) DISPLAY	Group name
03 FILLER	X(2) DISPLAY	
03 CVG-NODTGP-ACCESS2	X(1) DISPLAY	Access type
03 CVG-NODTGP-NODE2	X(8) DISPLAY	Default node for group
03 FILLER	X(129) DISPLAY	
02 CVG-SRVTAB-GROUP2-142	DISPLAY REDEFINES CVG-GROUP2- 142	
03 CVG-SRVTAB-SRVC-NAME2-142	X(8) DISPLAY	
03 CVG-SRVTAB=SRVC-TYPE2-142	S9(4) COMP SYNC	
03 CVG-SRVTAB-SRVC-DATA2-142	X(44) DISPLAY	
03 FILLER	X(94) DISPLAY	

3.18 DBNAME-1031

Description: DBNAME-1031 contains information about an entry in a database name table. If the NAME-031 field contains *DEFAULT, the occurrence of DBNAME-1031 represents the default subschema mappings for the database name table.

Record length: 116

Established by: Physical database definition

Owner of: DBNAME-DBSEGMENT, DBNAME-DBSSC

Member of: DBTABLE-DBNAME, IX-DBNAME

Location mode: VIA set DBTABLE-DBNAME

Within area: DDLCAT

Field	Picture	Description
02 DBTABLE-1031	**X(8) DISPLAY**	Name of database name table.
02 NAME-1031	**X(8) DISPLAY**	Database name entry in the database name table. If this field contains *DEFAULT, the record occurrence represents the default subschema mappings for the database name table.
02 DMCL-1031	**X(8) DISPLAY**	(Reserved for future use.)
02 NODE-1031	**X(8) DISPLAY**	(Reserved for future use.)
02 LOADLIST-1031	**X(8) DISPLAY**	Loadlist name.
02 FLAG-1031	**X(8) BIT**	Database name flag. X'80' — Match on subschema name is required X'01' — DBGroup DBName
02 CTIME-1031	**X(64) BIT**	Date and time stamp when the database name was created.
02 UTIME-1031	**X(64) BIT**	Date and time stamp when the database name was last updated.
02 CUSER-1031	**X(18) DISPLAY**	ID of the user who created the database name.

Field	Picture	Description
02 UUSER-1031	**X(18) DISPLAY**	ID of the user who last updated the database name.
02 GROUPFLAG	**X(1) DISPLAY**	DBGroup Flag 'E' — Enabled 'D' — Disabled
02 NUMSEGMENTS-1031	**S9(4) COMP SYNC**	Number of segments associated with the database name.
02 NUMSUBSCHEMAS-1031	**S9(4) COMP SYNC**	Number of subschemas associated with the database name.
02 FILLER	**X(18) DISPLAY**	

3.19 DBSEGMENT-1032

Description: DBSEGMENT-1032 associates the name of a segment with a database name in a database name table.

Record length: 44

Established by: Physical database definition

Member of: DBNAME-DBSEGMENT

Location mode: VIA set DBNAME-DBSEGMENT

Within area: DDLCAT

Field	Picture	Description
02 DBTABLE-1032	**X(8)** **DISPLAY**	Database table name.
02 DBNAME-1032	**X(8)** **DISPLAY**	Database name entry in the database table.
02 NAME-1032	**X(8)** **DISPLAY**	Segment name.
02 FILLER	**X(20)** **DISPLAY**	

3.20 DBSSC-1033

Description: DBSSC-1033 associates a subschema mapping with a database name in a database name table.

Record length: 60

Established by: Physical database definition

Member of: DBNAME-DBSSC

Location mode: VIA set DBNAME-DBSSC

Within area: DDLCAT

Field	Picture	Description
02 DBTABLE-1033	**X(8)** **DISPLAY**	Name of the database table.
02 DBNAME-1033	**X(8)** **DISPLAY**	Database name entry in the database name table.
02 FROMSSC-1033	**X(8)** **DISPLAY**	Subschema name passed at run unit signon (FROM subschema).
02 TOSSC-1033	**X(8)** **DISPLAY**	Name of the subschema to which the passed subschema name maps (TO subschema).
02 FOREIGNDBNAME-1033	**X(8)** **DISPLAY**	Database name to be accessed if no database name is specified
02 FILLER	**X(20)** **DISPLAY**	

3.21 DBTABLE-1034

Description: DBTABLE-1034 contains information about the database name table.

Record length: 88

Established by: Physical database definition

Owner of: DBTABLE-DBNAME

Location mode: CALC using NAME-1034

Within area: DDLCAT

Field	Picture	Description
02 NAME-1034	**X(8) DISPLAY**	Name of the database name table.
02 CVSYSTEM-1034	**S9(4) COMP SYNC**	Number of the central version system.
02 CTIME-1034	**X(64) BIT**	Date and time stamp when the database name table was created.
02 UTIME-1034	**X(64) BIT**	Date and time stamp when the database name table was last updated.
02 CUSER-1034	**X(18) DISPLAY**	ID of the user who created the database name table.
02 UUSER-1034	**X(18) DISPLAY**	ID of the user who last updated the database name table.
02 NUMDBNAMES-1034	**S9(4) COMP SYNC**	Number of names in the database name table.
02 NUMSEGMENTS-1034	**S9(4) COMP SYNC**	Number of segments in the database name table.
02 NUMSUBSCHEMAS-1034	**S9(4) COMP SYNC**	Number of subschemas in the database name table.
02 NUMGROUPS-1034	**S9(4) COMP SYNC**	Number of DBGroups in the database name table
02 FILLER	**X(18) DISPLAY**	

3.22 DCDEVICES-127

Description: Occurrences of the DCDEVICES-127 record type describe the devices supported by CA-IDMS/DC. The CA-IDMS/DC compilers use DCDEVICES-127 occurrences when handling device-dependent syntax.

Record length: 20

Established by: Installation procedure

Member of: OOAK-DCDEVICES

Location mode: CALC using DCDEV-NAME-127

Within area: DDLDML

Field	Picture	Description
02 DCDEV-NAME-127	**X(8) DISPLAY**	CA-IDMS/DC device name.
02 DCDEV-TREE-127	**X(8) DISPLAY**	Name of the syntax tree used to handle the device.
02 DCDEV-TYPE-127	**X(1) DISPLAY**	Device type.
02 DCDEV-NUM-TYPE-127	**X(8) BIT REDEFINES DCDEV-TYPE-127**	
02 DCDEV-ACC-127	**X(1) DISPLAY**	Access method used to handle the device.
02 FILLER	**X(2) DISPLAY**	

3.23 DEST-028

Description: Occurrences of the DEST-028 record type represent destinations.

Record length: 92

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: DEST-DESTATTR, DEST-DESTCMT, DEST-DESTLST, DEST-SENDLST, DEST-USERDEST

Member of: OOAK-DEST

Location mode: CALC using DEST-NAME-028

Within area: DDLDML

Field	Picture	Description
02 DEST-NAME-028	**X(8) DISPLAY**	Destination name.
02 DEST-VER-028	**S9(4) COMP SYNC**	Destination version number.
02 BUILDER-028	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 DESCR-028	**X(40) DISPLAY**	Destination description.
02 DATE-LU-028	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-028	**X(8) DISPLAY**	Date established.
02 PREP-BY-028	**X(8) DISPLAY**	User who added the destination.
02 REV-BY-028	**X(8) DISPLAY**	User who last updated the destination.

Field	Picture	Description
02 DEST-FLAG-028	**X(8) BIT**	Destination flag.
		X'80' — The destination is disabled. X'40' — SENDLST-021 occurrences owned by the destination contain user names. X'20' — SENDLST-021 occurrences owned by the destination contain logical terminal identifiers. X'10' — SENDLST-021 occurrences owned by the destination contain printer identifiers. X'08' — Switch list flag X'04' — Multiple X'02' — Queue
02 PUB-ACCESS-FLAG-028	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(2) DISPLAY**	
02 USER-COUNT-028	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(2) DISPLAY**	

3.24 DESTATTR-102

Description: DESTATTR-102 is the attribute junction record for the DEST-028 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, DEST-DESTATTR

Location mode: VIA set DEST-DESTATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-102	**X(40) DISPLAY**	User-supplied junction text.

3.25 DESTCMT-101

Description: DESTCMT-101 is the comment record associated with the DEST-028 record type.

▶▶ For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: DEST-DESTCMT

Location mode: VIA set DEST-DESTCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-101	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-101	**DISPLAY**	
03 CMT-INFO-101	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-101	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.26 DESTLST-027

Description: DESTLST-027 is the junction record that relates a destination to a CA-IDMS/DC system in which the destination participates. DESTLST-027 also relates a destination to its component users, logical terminals, or printers.

Record length: 20

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: DESTLST-DESTLTRM, DESTLST-USERDST

Member of: DEST-DESTLST, SYS-DESTLST

Location mode: VIA set SYS-DESTLST

Within area: DDLDML

Field	Picture	Description
02 DEST-NAME-027	**X(8) DISPLAY**	Destination name.
02 BUILDER-027	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-027	**X(1) DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 DEST-VER-027	**S9(4) COMP SYNC**	Destination version number.
02 DEST-ECNT-027	**S9(4) COMP SYNC**	Destination entry count. This field contains the number of users, logical terminals, or printers included in the destination.
02 DEST-FLAG-027	**X(8) BIT**	Destination flag. X'80' — The destination is disabled. X'40' — SENDLST-021 occurrences owned by the destination contain user names. X'20' — SENDLST-021 occurrences owned by the destination contain logical terminal identifiers. X'10' — SENDLST-021 occurrences owned by the destination contain printer identifiers. X'08' — Switch list flag X'04' — Multiple X'02' — Queue

Field	Picture	Description
02 FILLER	**X(5)** **DISPLAY**	

3.27 DESTLTRM-117

Description: DESTLTRM-117 is a junction record that relates a logical terminal to a destination in which the logical terminal participates.

Record length: 12

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Member of: DESTLST-DESTLTRM, LTRMLST-DESTLTRM

Location mode: VIA set DESTLST-DESTLTRM

Within area: DDLDML

Field	Picture	Description
02 LTRM-NAME-117	**X(8)** **DISPLAY**	Logical terminal name.
02 FILLER	**X(4)** **DISPLAY**	

3.28 DMCL-1035

Description: Occurrences of DMCL-1035 contain information about DMCLs.

Record length: 140

Established by: Physical database definition

Owner of: DMCL-BUFFER, DMCL-DMCLSEGMENT, DMCL-JOURNAL

Member of: IX-DMCL

Location mode: CALC using NAME-1035

Within area: DDLCAT

Field	Picture	Description
02 NAME-1035	**X(8) DISPLAY**	DMCL name.
02 CTIME-1035	**X(64) BIT**	Date and time stamp when the DMCL was created.
02 UTIME-1035	**X(64) BIT**	Date and time stamp when the DMCL was last updated.
02 CRITTIME-1035	**X(64) BIT**	Date and time stamp of the last critical change made to the DMCL.
02 CUSER-1035	**X(18) DISPLAY**	ID of the user who created the DMCL.
02 UUSER-1035	**X(18) DISPLAY**	ID of the user who last updated the DMCL.
02 BUFFER-1035	**X(18) DISPLAY**	Default buffer for the DMCL.
02 DBTABLE-1035	**X(8) DISPLAY**	Database name table for the DMCL.
02 NUMBUFFERS-1035	**S9(4) COMP SYNC**	Number of buffers defined in the DMCL.
02 NUMJRNLBUFFERS-1035	**S9(4) COMP SYNC**	Number of journal buffers defined in the DMCL.
02 NUMJOURNALS-1035	**S9(4) COMP SYNC**	Number of journals defined in the DMCL.
02 SHAREDCACHE-1035	**X(16) DISPLAY**	Default shared cache.

Field	Picture	Description
02 LOCKENTRIES-1035	**S9(8) COMP SYNC**	Number of entries in the coupling facility lock table.
02 MEMBERS-1035	**X(8) BIT**	Maximum number of members in the data sharing group.
02 DATASHARE-1035	**X(1) DISPLAY**	Data sharing indicator. A character 'Y' indicates that 'data sharing' attributes have been specified for this DMCL. A character 'N' indicates that no data sharing attributes have been specified.
02 FILLER	**X(18) DISPLAY**	

3.29 DMCLAREA-1036

Description: DMCLAREA-1036 is a junction record between a segment which has been included in the DMCL (DMCLSEGMENT-1038) and an area definition (AREA-1026) within the segment.

Record length: 140

Established by: Physical database definition

Member of: AREA-DMCLAREA, DMCLSEG-DMCLAREA

Location mode: VIA set AREA-DMCLAREA

Within area: DDLCAT

Field	Picture	Description
02 DMCL-1036	X(8) DISPLAY	DMCL name.
02 SEGMENT-1036	X(8) DISPLAY	Name of the segment that contains the area.
02 NAME-1036	X(18) DISPLAY	Area name.
02 CTIME-1036	X(64) BIT	Date and time stamp when the area was created.
02 UTIME-1036	X(64) BIT	Date and time stamp when the area was last updated.
02 CRITTIME-1036	X(64) BIT	Date and time stamp of the last critical change made to the area.
02 CUSER-1036	X(18) DISPLAY	ID of the user who created the area.
02 UUSER-1036	X(18) DISPLAY	ID of the user who last updated the area.
02 STARTUP-1036	X(1) DISPLAY	Startup indicator. This indicates the READY action to be taken when the system is started following an orderly shutdown. 'U' — Update 'R' — Retrieval 'T' — Transient retrieval 'X' — Set status offline

Field	Picture	Description
02 WARMSTART-1036	**X(1) DISPLAY**	Warmstart indicator. This indicates the READY action to be taken when the system is started following an abnormal termination.
		'U' — Update 'R' — Retrieval 'T' — Transient retrieval 'X' — Set status offline 'C' — Maintain current status
02 PAGERESERVE-1036	**S9(8) COMP SYNC**	Page reserve. Number of bytes to be left unused on a page when new records are stored on pages in the area. For this DMCL, the page reserve specification overrides the page reserve specification in the segment's area definition.
02 DATASHARE-1036	**X(1) DISPLAY**	Data sharing indicator. A character 'Y' indicates that this area is shared. A character 'N' indicates that it is not shared. A character 'D' indicates that its sharability status is determined by the data sharing indicator in the DMCLSEGMENT-1038 record.
02 FILLER	**X(39) DISPLAY**	

3.30 DMCLFILE-1037

Description: DMCLFILE-1037 is a junction record between a segment which has
been included in the DMCL (DMCLSEGMENT-1038) and a file definition
(FILE-1039) within the segment. DMCLFILE-1037 contains information specific to
the DMCL for this file.

Record length: 164

Established by: Physical database definition

Member of: DMCLSEG-DMCLFILE, FILE-DMCLFILE

Location mode: VIA set FILE-DMCLFILE

Within area: DDLCAT

Field	Picture	Description
02 DMCL-1037	X(8) DISPLAY	DMCL name.
02 SEGMENT-1037	X(8) DISPLAY	Name of the segment associated with the file.
02 NAME-1037	X(18) DISPLAY	File name.
02 CTIME-1037	X(64) BIT	Date and time stamp when the file was created.
02 UTIME-1037	X(64) BIT	Date and time stamp when the file was last updated.
02 CRITTIME-1037	X(64) BIT	Date and time stamp of the last critical change made to the file.
02 CUSER-1037	X(18) DISPLAY	ID of the user who created the file.
02 UUSER-1037	X(18) DISPLAY	ID of the user who last updated the file.
02 BUFFER-1037	X(18) DISPLAY	Name of the buffer defined within the DMCL which will be used by the file. This specification overrides the default buffer established for the segment included in the DMCL and the default buffer established for the DMCL.

Field	Picture	Description
02 DDNAME-1037	**X(8)** **DISPLAY**	Depending on the operating system, DDName (OS/390), filename (VSE/ESA), or linkname (BS2000/OSD) of the file. This specification overrides the specification in the segment's file definition.
02 DISP-1037	**X(4)** **DISPLAY**	Dataset disposition (IBM) or shared update (BS2000/OSD). This specification overrides the segment's file definition.
02 DATASPACE-1037	**X(1)** **DISPLAY**	OS/390 dataspsace indicator. 'N' — VSAM files will not use an ESA dataspace 'Y' — VSAM files will use an ESA dataspace
02 ESAREAD-1037	**X(1)** **DISPLAY**	(Reserved for future use.)
02 ESAPRELOAD-1037	**X(1)** **DISPLAY**	(Reserved for future use.)
02 SHAREDCAC?HE-1037	**X(16)** **DISPLAY**	Shared cache
02 FILLER	**X(21)** **DISPLAY**	

3.31 DMCLSEGMENT-1038

Description: DMCLSEGMENT-1038 is a junction record between a segment definition and a DMCL in which the segment has been included. DMCLSEGMENT-1038 contains information specific to the DMCL in which the segment has been included.

Record length: 136

Established by: Physical database definition

Owner of: DMCLSEG-DMCLAREA, DMCLSEG-DMCLFILE

Member of: DMCL-DMCLSEGMENT, IX-DMCLSEGMENT, SEGMENT-DMCLSEG

Location mode: VIA set SEGMENT-DMCLSEG

Within area: DDLCAT

Field	Picture	Description
02 DMCL-1038	**X(8) DISPLAY**	DMCL name.
02 NAME-1038	**X(8) DISPLAY**	Segment name.
02 CTIME-1038	**X(64) BIT**	Date and time stamp when the segment was created.
02 UTIME-1038	**X(64) BIT**	Date and time stamp when the segment was last updated.
02 CRITTIME-1038	**X(64) BIT**	Date and time stamp of the last critical change made to the segment.
02 CUSER-1038	**X(18) DISPLAY**	ID of the user who created the segment.
02 UUSER-1038	**X(18) DISPLAY**	ID of the user who last updated the segment.
02 BUFFER-1038	**X(18) DISPLAY**	Name of the buffer within the DMCL which will be the default for all files defined within the segment unless specifically overridden.

Field	Picture	Description
02 STARTUP-1038	**X(1)** **DISPLAY**	Startup indicator. This indicates the READY action to be taken when the system is started following an orderly shutdown. 'U' — Update 'R' — Retrieval 'T' — Transient retrieval 'X' — Set status offline
02 WARMSTART-1038	**X(1)** **DISPLAY**	Warmstart indicator. This indicates the READY action to be taken when the system is started following an abnormal termination. 'U' — Update 'R' — Retrieval 'T' — Transient retrieval 'X' — Set status offline 'C' — Maintain current status
02 DATASHARE-1038	**X(1)** **DISPLAY**	Data sharing indicator. A character 'Y' indicates that areas in this segment are shared. A character 'N' indicates that they are not shared.
02 SHAREDCACHE-1038	**X(16)** **DISPLAY**	Shared cache.
02 FILLER	**X(23)** **DISPLAY**	

3.32 DPROG-171

Description: The DPROG-171 record type is used by the CA-IDMS/DC online debugger. Each DPROG-171 occurrence represents a program load module for which a symbol table has been established. Currently, symbol tables can be established only for CA-ADS dialogs.

Record length: 60

Established by: CA-ADS dialog compiler

Owner of: DPROG-LOADJCT

Location mode: CALC using DPROG-NAME-171

Within area: DDLDCLOD

Field	Picture	Description
02 DPROG-NAME-171	X(8) DISPLAY	Dialog name.
02 DPROG-VERSION-171	S9(4) COMP SYNC	Dialog version number.
02 LOADJCT-RECS-171	S9(4) COMP SYNC	Number of LOADJCT-172 occurrences (each representing a process) owned by the dialog.
02 ADS-RECS-171	S9(4) COMP SYNC	Number of records used by the dialog.
02 BL-COUNT-171	S9(4) COMP SYNC	Unused.
02 BLL-COUNT-171	S9(4) COMP SYNC	Unused.
02 BL-OFFSET-171	S9(4) COMP SYNC	Unused.
02 BLL-OFFSET-171	S9(4) COMP SYNC	Unused.
02 DPROG-FLAG-171	X(8) BIT	Flag byte. X'80' — Interpreted CA-ADS dialog.
02 FILLER	X(1) DISPLAY	
02 COMPILER-DATE-171	X(8) DISPLAY	Date on which the dialog was compiled (*mm/dd/yy*).

Field	Picture	Description
02 COMPILER-TIME-171	**X(6)** **DISPLAY**	Time at which the dialog was compiled (*hhmmss*).
02 FILLER	**X(22)** **DISPLAY**	

3.33 ELEMACT-159

Description: ELEMACT-159 is a junction record that relates an element to a program that references or modifies the element.

Record length: 48

Established by: IDD DDDL compiler

Member of: ELEMSYN-ELEMACT, PROG-ELEMACT

Location mode: VIA set PROG-ELEMACT

Within area: DDLDML

Field	Picture	Description
02 EA-FUNCT-159	**S9(4) COMP SYNC**	Function code. The function code indicates the type of relationship that exists between the element and the program.
		0 The program references the element. 1 The program modifies the element. -1 The relationship is documentational only.
88 REFERENCED-159	**COND VALUE +0**	
88 MODIFIED-159	**COND VALUE +1**	
02 EA-COUNT-159	**S9(4) COMP SYNC**	Number of times that the function indicated by EA-FUNCT-159 occurs.
02 EA-JCT-TEXT-159	**DISPLAY**	
03 EA-NAME-159	**X(32) DISPLAY**	Element or record synonym name.
03 EA-VER-159	**S9(4) COMP SYNC**	Element or record synonym version.
03 EA-TYPE-159	**X(1) DISPLAY**	1 — Qualified by element synonym only 2 — Qualified by element 3 — Qualified by record
03 EA-IDENT-159	**X(3) DISPLAY**	Element activity identifier — 'ACT'

Field	Picture	Description
03 FILLER	X(2) DISPLAY	
02 FILLER	X(4) DISPLAY	

3.34 ELEMATTR-090

Description: ELEMATTR-090 is the attribute junction record for the INQ-058 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, INQ-ELEMATTR

Location mode: VIA set INQ-ELEMATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-090	**X(40) DISPLAY**	User-supplied junction text.

3.35 ELEMCMT-082

Description: ELEMCMT-082 is the comment record associated with the INQ-058 record type. Occurrences of the ELEMCMT-082 record type are used to store element values as well as element comments.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler

Member of: INQ-ELEMCMT

Location mode: VIA set INQ-ELEMCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-082	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-082	**DISPLAY**	
03 CMT-INFO-082	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 ELM-CMT-VAL-082	**DISPLAY REDEFINES CMT-082**	Redefinition of the CMT-082 field for ELEMCMT-082 occurrences with a comment code (CMT-ID-082) of -3 (that is, occurrences that represent element values).
03 CMT-LENG1-082	**S9(4) COMP SYNC**	Length, in bytes, of the first value string, including quotation marks if specified.
03 CMT-LENG2-082	**S9(4) COMP SYNC**	Length, in bytes, of the second value string, including quotation marks if specified. A second value occurs only when the element is a COBOL level 88 (usage CONDITION-NAME). This field contains -1 if no second value exists.
03 CMT-VAL1-082	**X(34) DISPLAY**	First value, including quotation marks if specified.
03 CMT-VAL2-082	**X(34) DISPLAY**	Second value, including quotation marks if specified.

Field	Picture	Description
03 FILLER	**X(28)** **DISPLAY**	
02 CMT-ID-082	**S9(8) COMP** **SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.36 ELEMNEST-087

Description: ELEMNEST-087 is the nesting junction record for the INQ-058 record type. Occurrences of the ELEMNEST-087 record type relate elements to other elements and group elements to the subordinate elements of which they are comprised.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 52

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler

Member of: ELEMNEST-EXPL, ELEMNEST-IMPL

Location mode: VIA set ELEMNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-087	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-087	**X(40) DISPLAY**	User-supplied junction text.
02 EL-OCC-087	**S9(4) COMP SYNC**	Number of occurrences of a subordinate element (for ELEMNEST-087 occurrences with a nest code of -3 through -7 only; that is, occurrences with a nest code associated with a picture format). If the subordinate element is not defined with an OCCURS clause, the number of occurrences is 1. If the subordinate element redefines the previous subordinate element in the group, this field contains 0.
02 FILLER	**X(6) DISPLAY**	

3.37 ELEMRNG-089

Description: The ELEMRNG-089 record type is used to store element ranges.

Record length: 72

Established by: IDD DDDL compiler

Member of: INQ-ELEMRNG

Location mode: VIA set INQ-ELEMRNG

Within area: DDLDML

Field	Picture	Description
02 RNG-BGN-089	**X(34)** **DISPLAY**	Beginning value of the element range.
02 RNG-END-089	**X(34)** **DISPLAY**	End value of the element range. If no end value exists for the range, this field contains blanks.
02 FILLER	**X(4)** **DISPLAY**	

3.38 ELEMSYN-085

Description: Occurrences of the ELEMSYN-085 record type represent element synonyms. For each element defined in the dictionary, an ELEMSYN-085 occurrence is created for the primary element name as well as for each element synonym name.

Record length: 68

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Owner of: ELEMSYN-ELEMACT, ELEMSYN-NAMESYN

Member of: INQ-ELEMSYN, INQ-GROUPELEMSYN

Location mode: CALC using ES-NAME-085

Within area: DDLDML

Field	Picture	Description
02 ES-NAME-085	X(32) DISPLAY	Element synonym name. Filler elements always have an element synonym name of FILLER.
02 ES-GROUP-085	X(32) DISPLAY	Group element name. The element synonym name in the ES-NAME-085 field is used automatically when the element with which the synonym is associated is included in a record within the group element named in this field. If this field contains a group element name, the ELEMSYN-085 occurrence is connected to the INQ-GROUPELEMSYN set as well as to the INQ-ELEMSYN set. If this field contains blanks, the ELEMSYN-085 occurrence is connected (as a member) only to the INQ-ELEMSYN set.
02 BUILDER-085	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 SYN-TYPE-085	X(1) DISPLAY	Synonym type. This is blank for all synonyms except the Primary Element Synonym.
88 PRIMARY-SYNONYM-085	COND VALUE 'P'	
02 FILLER	X(2) DISPLAY	

3.39 FILE-1039

Description: Occurrences of FILE-1039 represent files associated with a segment.

Record length: 236

Established by: Physical database definition

Owner of: FILE-DMCLFILE, FILE-FILEMAP

Member of: IX-FILE, SEGMENT-FILE

Location mode: VIA set SEGMENT-FILE

Within area: DDLCAT

Field	Picture	Description
02 SEGMENT-1039	**X(8) DISPLAY**	Segment name.
02 NAME-1039	**X(18) DISPLAY**	File name.
02 CTIME-1039	**X(64) BIT**	Date and time stamp when the file was created.
02 UTIME-1039	**X(64) BIT**	Date and time stamp when the file was last updated.
02 CRITTIME-1039	**X(64) BIT**	Date and time stamp of the last critical change made to the file.
02 CUSER-1039	**X(18) DISPLAY**	ID of the user who created the file.
02 UUSER-1039	**X(18) DISPLAY**	ID of the user who last updated the file.
02 NUMFILEMAPS-1039	**S9(4) COMP SYNC**	Number of area page ranges map to the file.
02 BLOCKSIZE-1039	**S9(8) COMP SYNC**	Block size, in bytes, of the file. This is the largest page size of all areas mapped to the file.
02 DDNAME-1039	**X(8) DISPLAY**	File ddname (OS/390) or filename (VSE/ESA).
02 ACCESSMETHOD-1039	**X(8) DISPLAY**	File access method.
02 VMUSERID-1039	**X(8) DISPLAY**	In the VM/ESA environment, the user ID associated with the file.

Field	Picture	Description
02 VMVIRTADDR-1039	**S9(8) COMP SYNC**	In the VM/ESA environment, the virtual address of the file.
02 FLAG-1039	**X(8) BIT**	File flag. X'80' — Native VSAM FOR CALC file X'40' — Native VSAM FOR SET file
02 NVSAMSET-1039	**X(18) DISPLAY**	Native VSAM KSDS or PATH set name.
02 DSNAME-1039	**X(54) DISPLAY**	Dataset name.
02 DISP-1039	**X(4) DISPLAY**	Dataset disposition (IBM) or shared update (BS2000/OSD).
02 FILLER	**X(39) DISPLAY**	

3.40 FILEATTR-073

Description: FILEATTR-073 is the attribute junction record for IDD FILEs which are defined as SA-018 record types owned by the 'NON IDMS' schema.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, SA-FILEATTR

Location mode: VIA set SA-FILEATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-073	**X(40) DISPLAY**	User-supplied junction text.

3.41 FILECMT-072

Description: FILECMT-072 is the comment record for IDD FILEs which are defined as SA-018 record types owned by the 'NON IDMS' schema.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: SA-FILECMT

Location mode: VIA set SA-FILECMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-072	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-072	**DISPLAY**	
03 CMT-INFO-072	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-072	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.42 FILEMAP-1040

Description: FILEMAP-1040 is a junction record that relates page ranges of an area of a segment to block ranges of a file in the same segment (area-to-file mapping).

Record length: 112

Established by: Physical database definition

Member of: AREA-FILEMAP, FILE-FILEMAP

Location mode: VIA set AREA-FILEMAP

Within area: DDLCAT

Field	Picture	Description
02 SEGMENT-1040	**X(8) DISPLAY**	Segment name.
02 AREA-1040	**X(18) DISPLAY**	Area name.
02 FILE-1040	**X(18) DISPLAY**	File name.
02 PAGESIZE-1040	**S9(8) COMP SYNC**	Size, in bytes, of each page in the area.
02 LOWPAGE-1040	**S9(8) COMP SYNC**	Low page number of the area page range.
02 HIGHPAGE-1040	**S9(8) COMP SYNC**	High page number of the area page range.
02 LOWBLOCK-1040	**S9(8) COMP SYNC**	Low relative block number (RBN) of the range of file blocks to which the area is mapped.
02 HIGHBLOCK-1040	**S9(8) COMP SYNC**	High relative block number (RBN) of the range of file blocks to which the area is mapped.
02 ACCESSMETHOD-1040	**X(8) DISPLAY**	File access method.
02 FLAG-1040	**X(8) BIT**	File flag.
		X'80' — Native VSAM FOR CALC file X'40' — Native VSAM FOR SET file
02 FILLER	**X(39) DISPLAY**	

3.43 FILENEST-071

Description: FILENEST-071 is the nesting junction record for the SA-018 record type.

▶▶ For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler

Member of: FILENEST-EXPL, FILENEST-IMPL

Location mode: VIA set FILENEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-071	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-071	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(4) DISPLAY**	

3.44 FILESYN-075

Description: Occurrences of the FILESYN-075 record type represent file synonyms. For each IDD file defined in the dictionary, a FILESYN-075 occurrence is created for the primary file name as well as for each file synonym name.

Record length: 40

Established by: IDD DDDL compiler

Owner of: FILESYN-FRSYN

Member of: SA-FILESYN

Location mode: CALC using FILE-NAME-075

Within area: DDLDML

Field	Picture	Description
02 FILE-NAME-075	**X(32) DISPLAY**	File synonym name.
02 FILE-VERS-075	**S9(4) COMP SYNC**	File synonym version number.
02 SYN-TYPE-075	**X(1) DISPLAY**	Synonym type. This is blank for all synonyms except the Primary File Synonym.
88 PRIMARY-SYNONYM-075	**COND VALUE 'P'**	
02 FILLER	**X(5) DISPLAY**	

3.45 FRSYN-077

Description: FRSYN-077 is a junction record that relates record synonyms to IDD file synonyms. FRSYN-077 occurrences are used by CA-CULPRIT to determine the records for which CULPRIT REC parameter cards are to be generated when the FN= option of the INPUT parameter card is specified.

Record length: 4

Established by: IDD DDDL compiler

Member of: FILESYN-FRSYN, RCDSYN-FRSYN

Location mode: VIA set FILESYN-FRSYN

Within area: DDLDML

Field	Picture	Description
02 FILLER	**X(4)** **DISPLAY**	

3.46 INQ-058

Description: Occurrences of the INQ-058 record type represent elements. Each occurrence contains a freestanding element definition that is independent of any records in which the element participates.

The schema compiler builds an INQ-058 occurrence when a data element that does not already exist is included in a schema record. When a schema is deleted, INQ-058 occurrences created by the schema compiler that do not participate in other records (that is, records not in the schema being deleted) and that have never been updated by the IDD DDDL compiler are also deleted.

Filler data elements are stored in the dictionary with the name FIL *nnnn*, where *nnnn* is the length of the filler. Filler elements of the same length for which the picture, usage, justification, blank on zero, and sign specifications do not match exactly or for which the group structure does not match exactly are stored in the dictionary with the same name but with different version numbers. For example, two INQ-058 occurrences are created in response to the COBOL input shown below. Each occurrence is named FIL 0005; however, version 1 has a picture of X(5) and version 2 has a picture of 9(5).

    02 FILLER PICTURE X(5)
    02 FILLER PICTURE 9(5)

Record length: 356

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Owner of: ELEMNEST-EXPL, ELEMNEST-IMPL, INQ-ELEMATTR, INQ-ELEMCMT, INQ-ELEMRNG, INQ-ELEMSYN, INQ-GROUPELEMSYN, INQ-SDR, INQ-USERELEM

Member of: OOAK-INQ

Location mode: CALC using INQ-NAM-058

Within area: DDLDML

Field	Picture	Description
02 INQ-NAM-058	**X(32) DISPLAY**	Element name.
02 ELEM-VER-058	**S9(4) COMP SYNC**	Element version number.
02 DATE-LU-058	**X(8) DISPLAY**	Date last updated.

Field	Picture	Description
02 BUILDER-058	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 DATE-CREATED-058	**X(8) DISPLAY**	Date established.
02 PREP-BY-058	**X(8) DISPLAY**	User who added the element.
02 REV-BY-058	**X(8) DISPLAY**	User who last updated the element.
02 DESC-058	**X(64) DISPLAY**	Element description.
02 VAL-SW-058	**X(1) DISPLAY**	Value indicator. If this field contains 1, the element has an initial value; the value is stored in an ELEMCMT-082 occurrence with a comment code (CMT-ID-082) of -3. If this field contains 0, the element does not have an initial value.
02 PIC-DEF-058	**DISPLAY OCCURS 5 TIMES**	Structural information for the element. The first occurrence of this group data field describes the primary picture format for the element; the second through fifth occurrences describe the first through fourth alternate picture formats, respectively.

Field	Picture	Description

03 ALT-PIC-TYPE-058	**S9(4) COMP SYNC**	Alternate picture type. If the PIC-DEF-058 occurrence describes an elementary data field, this field will contain -1 (or 0 if the INQ-058 occurrence was created by a pre-Release 5.7 schema compiler). This field will also contain -1 if the alternate picture format corresponding to the PIC-DEF-058 occurrence is not defined. If the PIC-DEF-058 occurrence describes a group element or an elementary data field with 88 levels (usage CONDITION-NAME), this field will contain the nest code that identifies the picture format corresponding to the PIC-DEF-058 occurrence.
		
		     -7 Primary picture format
		     -6 First alternate picture format
		     -5 Second alternate picture format
		     -4 Third alternate picture format
		     -3 Fourth alternate picture format
		
		 The subordinate elements for a group element can be found by searching the ELEMNEST-EXPL set for ELEMNEST-087 occurrences in which the nest code matches the alternate picture type of the PIC-DEF-058 occurrence. The INQ-058 occurrences that own the ELEMNEST-087 occurrences in the ELEMNEST-IMPL set represent the subordinate elements. If the EL-OCC-087 field in an ELEMNEST-087 occurrence contains 0, the owner subordinate element (that is, the owner of the ELEMNEST-IMPL set) is a redefinition of the previous subordinate element in the group.

03 ELEM-LGTH-058	**S9(4) COMP SYNC**	Element length, in bytes. If the usage specification for the format is BIT, this field contains the length in bits.
03 PIC-LGTH-058	**S9(4) COMP SYNC**	Length, in bytes, of the picture string in PIC-058. This field contains -1 if one or more of the following conditions apply: ■ The element is a group element. ■ The usage specification for the element is COMP-1, COMP-2, POINTER, or CONDITION-NAME. ■ No picture definition exists for the format.

Field	Picture	Description

03 USE-058	**S9(4) COMP SYNC**	Usage.
		
		  0 DISPLAY
		  1 COMPUTATIONAL (binary)
		  2 COMPUTATIONAL-1 (short-precision floating point)
		  3 COMPUTATIONAL-2 (long-precision floating point)
		  4 COMPUTATIONAL-3 (packed decimal)
		  5 BIT (bit string)
		  6 POINTER (fullword address constant)
		  88 CONDITION-NAME (COBOL level-88 value)

03 ELEM-JUST-058	**X(1) DISPLAY**	Justification indicator. If this field contains the character J, the element is justified in this format. If this field contains a blank, the element is not justified in this format.
88 JUST-ON-058	**COND VALUE 'J'**	
88 JUST-OFF-058	**COND VALUE ' '**	
03 ELEM-BONZ-058	**X(1) DISPLAY**	Blank on zero indicator. If this field contains the character B, the element is blank on zero in this format. If this field contains a blank, the element is not blank on zero in this format.
88 BONZ-ON-058	**COND VALUE 'B'**	
88 BONZ-OFF-058	**COND VALUE ' '**	
03 SIGN-058	**X(1) DISPLAY**	Sign indicator. If this field contains the character L, the sign for the element appears in the leading position in this format. If this field contains the character T, the sign for the element appears in the trailing position in this format. If this field contains a blank, no sign specification exists for the element in this format. **Note:** The sign indicator is independent of the S picture character.

Field	Picture	Description
03 SEPARATE-058	X(1) DISPLAY	Separate sign indicator. If this field contains the character S, a separate character is reserved for the sign designation in this format of the element definition. If this field contains a blank, a separate character is not reserved for the sign designation in this format of the element definition.
03 PIC-058	X(30) DISPLAY	Picture. If no picture is supplied or if the picture format corresponding to the PIC-DEF-058 occurrence is not defined, this field will contain blanks.
03 FILLER	X(1) DISPLAY	
03 PIC-FLAG-058	X(8) BIT	Picture flag. X'80' — The element is synchronized
02 PUB-ACCESS-FLAG-058	X(8) BIT	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(1) DISPLAY	
02 USER-COUNT-058	S9(4) COMP SYNC	Count of users registered for all.

3.47 JOURNAL-1043

Description: Occurrences of JOURNAL-1043 represent journal files defined in the DMCL.

Record length: 160

Established by: Physical database definition

Member of: DMCL-JOURNAL

Location mode: VIA set DMCL-JOURNAL

Within area: DDLCAT

Field	Picture	Description
02 DMCL-1043	**X(8) DISPLAY**	DMCL name.
02 NAME-1043	**X(18) DISPLAY**	Journal name.
02 TYPE-1043	**X(4) DISPLAY**	Journal type. DISK ARCH TAPE
02 CTIME-1043	**X(64) BIT**	Date and time stamp when the journal was created.
02 UTIME-1043	**X(64) BIT**	Date and time stamp when the journal was last updated.
02 CRITTIME-1043	**X(64) BIT**	Date and time stamp of the last critical change made to the journal.
02 CUSER-1043	**X(18) DISPLAY**	ID of the user who created the journal.
02 UUSER-1043	**X(18) DISPLAY**	ID of the user who last updated the journal.
02 FILLER	**X(2) DISPLAY**	
02 NUMBLOCKS-1043	**S9(8) COMP SYNC**	Number of blocks (pages) in a disk journal file.
02 BLOCKSIZE-1043	**S9(8) COMP SYNC**	Archive journal block size, in bytes.

Field	Picture	Description
02 DDNAME-1043	**X(8)** **DISPLAY**	Journal file ddname (OS/390) or filename (VSE/ESA).
02 ACCESSMETHOD-1043	**X(8)** **DISPLAY**	Journal file access method.
02 DATASPACE-1043	**X(1)** **DISPLAY**	Dataspace option. 'N' — No 'Y' — Yes
02 ESAREAD-1043	**X(1)** **DISPLAY**	Dataspace read. 'B' — Block 'T' — Track 'C' — Cylinder ' ' — Dataspace no
02 ESAPRELOAD-1043	**X(1)** **DISPLAY**	Dataspace preload. 'N' — No 'Y' — Yes ' ' — Dataspace no
02 FILLER	**X(41)** **DISPLAY**	

3.48 LINE-109

Description: Occurrences of the LINE-109 record type represent teleprocessing lines.

Record length: 148

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: LINE-LINEATTR, LINE-LINECMT, LINE-LINELST, LINE-USERLINE

Member of: OOAK-LINE

Location mode: CALC using LINE-NAME-109

Within area: DDLDML

Field	Picture	Description
02 LINE-NAME-109	**X(8) DISPLAY**	Line name.
02 LINE-VER-109	**S9(4) COMP SYNC**	Line version number.
02 BUILDER-109	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 DESCR-109	**X(40) DISPLAY**	Line description.
02 DATE-LU-109	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-109	**X(8) DISPLAY**	Date established.
02 PREP-BY-109	**X(8) DISPLAY**	User who added the line.
02 REV-BY-109	**X(8) DISPLAY**	User who last updated the line.
02 DDNAME1-109	**X(8) DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) for the input line for line types INOUTL, S3270Q, and TCAMLIN.
02 DDNAME2-109	**X(8) DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) for the output line for line types INOUTL, S3270Q, SYSOUTL, and TCAMLIN.

Field	Picture	Description
02 LINE-TYPEMETH-109	**DISPLAY**	
03 LINE-TYPE-109	**X(1)** **DISPLAY**	Line type. The value in this field indicates the devices that are supported by the line: C'0' BSAM SYSINOUT devices C'2' Remote 327xs or 328xs C'3' Simulated 327x C'4' Operating system console C'5' VTAM 327xs C'6' Asynchronous terminals C'7' QSAM (SAM for VSE/ESA) devices C'8' Local 328xs C'A' TCAM devices C'Z' UCF devices
03 ACCESS-METH-109	**X(1)** **DISPLAY**	Access method to be used for the line. C'B' BTAM or BSAM C'E' EXCP C'Q' QSAM (SAM for VSE/ESA) C'T' TCAM C'U' CA-IDMS/UCF C'V' VTAM C'W' Operating system console
02 LINE-BUFSZ-109	**S9(4) COMP SYNC**	Line I/O page buffer size, in bytes.
02 EXTENT-LNTH-109	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in EXTENSION-109.
02 LINE-FLAG-109	**X(8) BIT**	X'80' — Line is disabled. X'40' — This asynchronous line should not be treated as a connect-type line. X'20' — Redundant data in 3270 data streams is compacted. X'10' — Exception response protocol is in effect.
02 EXTENSION-109	**X(32)** **DISPLAY**	Extension area for data fields specific to each line type.
02 FILLER	**X(1)** **DISPLAY**	
02 PUB-ACCESS-FLAG-109	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1)** **DISPLAY**	

Field	Picture	Description
02 USER-COUNT-109	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(4) DISPLAY**	

3.49 LINEATTR-111

Description: LINEATTR-111 is the attribute junction record for the LINE-109 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, LINE-LINEATTR

Location mode: VIA set LINE-LINEATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-111	**X(40) DISPLAY**	User-supplied junction text.

3.50 LINECMT-110

Description: LINECMT-110 is the comment record associated with the LINE-109 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: LINE-LINECMT

Location mode: VIA set LINE-LINECMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-110	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-110	**DISPLAY**	
03 CMT-INFO-110	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-110	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.51 LINELST-103

Description: LINELST-103 is the junction record that relates a line to a CA-IDMS/DC system in which the line participates. LINELST-103 also relates a line to the physical terminals associated with the line.

CA-IDMS/DC uses LINELST-103 occurrences during startup to build Physical Line Elements (PLEs).

Record length: 72

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: LINELST-PTRMLST

Member of: LINE-LINELST, SYS-LINELST

Location mode: VIA set SYS-LINELST

Within area: DDLDML

Field	Picture	Description
02 LINE-NAME-103	**X(8)** **DISPLAY**	Line name.
02 BUILDER-103	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-103	**X(1)** **DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 LINE-VER-103	**S9(4) COMP** **SYNC**	Line version number.
02 LINE-TYPEMETH-103	**DISPLAY**	
03 LINE-TYPE-103	**X(1)** **DISPLAY**	Line type. The value in this field indicates the devices that are supported by the line: C'0' BSAM SYSINOUT devices C'2' Remote 327xs or 328xs C'3' Simulated 327x C'4' Operating system console C'5' VTAM 327xs C'6' Asynchronous terminals C'7' QSAM (SAM for VSE/ESA) devices C'8' Local 328xs C'A' TCAM devices C'Z' UCF devices

Field	Picture	Description
03 ACCESS-METH-103	**X(1)** **DISPLAY**	Access method to be used for the line. C'B' BTAM or BSAM C'E' EXCP C'Q' QSAM (SAM for VSE/ESA) C'T' TCAM C'U' CA-IDMS/UCF C'V' VTAM C'W' Operating system console
02 LINE-BUFSZ-103	**S9(4) COMP** **SYNC**	Line I/O page buffer size, in bytes.
02 DDNAME1-103	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) for the input line for line types INOUTL, S3270Q, and TCAMLIN.
02 DDNAME2-103	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) for the output line for line types INOUTL, S3270Q, SYSOUTL, and TCAMLIN.
02 EXTENT-LNTH-103	**S9(4) COMP** **SYNC**	Length, in bytes, of the data contained in EXTENSION-103.
02 LINE-FLAG-103	**X:(8) BIT**	X'80' — Line is disabled. X'40' — This asynchronous line should not be treated as a connect-type line. X'20' — Redundant data in 3270 data streams is compacted. X'10' — Exception response protocol is in effect.
02 FILLER	**X(1)** **DISPLAY**	
02 EXTENSION-103	**X(32)** **DISPLAY**	Extension area for data fields specific to each line type.
02 FILLER	**X(4)** **DISPLAY**	

3.52 LOADCTL-158

Description: The LOADCTL-158 record type is used to store information relating to entry points (ENTRY), external references (EXTRN), weak external references (WXTRN), and the relocation of address constants found within a load module.

Record length: 512

Established by: IDD DDDL compiler, subschema compiler

Member of: LOADHDR-LOADCTL

Location mode: VIA set LOADHDR-LOADCTL

Within area: DDLDCLOD

Field	Picture	Description
02 LOADCTL-RLDNUM-158	**S9(4) COMP SYNC**	Number of occurrences of the LOADCTL-ACONINFO-158 field in the LOADCTL-158 occurrence.
02 FILLER	**X(1) DISPLAY**	
02 LOADCTL-TYPE-158	**X(8) BIT**	Type code. X'00' Relocation dictionary (RLD) entry X'01' Entry point entry X'02' EXTRN entry X'80' Special RLD entry X'0A' WXTRN entry
02 LOADCTL-ACONINFO-158	**DISPLAY OCCURS 0 TO 127 TIMES DEPENDING ON LOADCTL-RLDNUM-158**	LOADCTL-158 information. The number of possible occurrences and the organization of this field vary depending on the LOADCTL-158 type: ■ **RLD entry (type code X'00')** — The LOADCTL- ACONINFO-158 field can occur from 1 through 127 times, permitting from 1 through 127 four-byte entries. Each entry contains the following information: – Byte 1 is a flag byte indicating the length of the address constant. X'80' Two-byte address constant X'40' Three-byte address constant X'20' Four-byte address constant ■ Bytes 2 through 4 contain the offset of the address constant into the load module.

Field	Picture	Description
02 LOADCTL-ACONINFO-158 *continued*		■ **ENTRY entry (type code X'01')** — The LOADCTL- ACONINFO-158 field can occur from 3 through 126 times, permitting from 1 through 42 twelve-byte entries. Each entry contains the following information: – Bytes 1 through 8 contain the entry point name. – Bytes 9 through 12 contain the offset of the entry point into the load module. ■ **EXTRN and WXTRN entries (type codes X'02' and X'0A')** — The LOADCTL-ACONINFO-158 field can occur from 3 through 126 times, permitting from 1 through 42 twelve-byte entries. Each entry contains the following information: – Bytes 1 through 8 contain the (weak) external reference name. – Bytes 9 and 10 are reserved. – Bytes 11 and 12 contain the external symbol dictionary (ESD) id. The ids start at 2 and are incremented by 1. (Id 1 is assigned to the load module name.)

02 LOADCTL-ACONINFO-158
continued
		■ **Special RLD entry (type code X'80')** — The LOADCTL- ACONINFO-158 field can occur from 2 through 126 times, permitting from 1 through 63 eight-byte entries. Each entry contains the following information:
		
		– Byte 1 is a flag byte indicating the length of the address constant.
		
		  X'80' Two-byte address constant
		  X'40' Three-byte address constant
		  X'20' Four-byte address constant
		
		– Bytes 2 through 4 contain the offset of the address constant into the load module.
		
		– Bytes 5 and 6 are reserved.
		
		– Bytes 7 and 8 contain the ESD id of the EXTRN or WXTRN.

03 LOADCTL-HDR-158	**DISPLAY**	

Field	Picture	Description
04 LOADCTL-ACONLEN-158	**X(8) BIT**	Flag byte indicating the length of the address constant for RLD and special RLD entries.
04 LOADCTL-OFFSET-158	**X(3) DISPLAY**	Offset of the address constant into the load module for RLD and special RLD entries.
02 LOADCTL-ENTRY-158	**S9(8) COMP SYNC REDEFINES LOADCTL-HEADER- 158**	Fullword table entry.

3.53 LOADHDR-156

Description: Occurrences of the LOADHDR-156 record type represent load modules. Each LOADHDR-156 occurrence contains global information about a load module that resides in the DDLDCLOD area of the dictionary.

Record length: 60

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, CA-IDMS subschema compiler, CA-IDMS/DC mapping compilers, CA-ADS application compiler, CA-ADS dialog compiler

Owner of: LOADHDR-LOADCTL, LOADHDR-LOADJCT, LOADHDR-LOADTEXT, LOADHDR-SYMHDR

Member of: LOOAK-LOADHDR

Location mode: CALC using LOADHDR-MODNAME-

Within area: DDLDCLOD

Field	Picture	Description
02 LOADHDR-MODNAME-156	**X(8) DISPLAY**	Load module name.
02 LOADHDR-VERS-156	**S9(4) COMP SYNC**	Load module version number.
02 LOADHDR-RLDS-156	**S9(4) COMP SYNC**	Number of entries in the relocation dictionary (RLD) for the load module.
02 LOADHDR-EPA-156	**S9(8) COMP SYNC**	Entry point address.
02 LOADHDR-MODLEN-156	**S9(8) COMP SYNC**	Length, in bytes, of the object text for the load module.
02 LOADHDR-DATE-156	**X(8) DISPLAY**	Date on which the load module was created (*mm/dd/yy*).
02 LOADHDR-TIME-156	**X(6) DISPLAY**	Time at which the load module was created (*hhmmss*).

Field	Picture	Description
02 LOADHDR-FLAG1-156	**BIT**	Flag byte for load module status and type.
		X'80' Logically deleted module
		X'40' Subschema
		X'28' Map help
		X'20' Map
		X'10' CA-ADS dialog
		X'08' Table
		X'04' Mainline dialog
		X'02' Access module
		X'01' RCM
02 SECURITY-156	**X(1) DISPLAY**	Security class
02 LOAD-HDR-SYMTABLEN-156	**S9(8) COMP SYNC**	Symbol table length
02 LOADHDR-MODE-156	**BIT**	Flag for load module AMODE/RMODE
		X'80' AMODE 24
		X'40' RMODE 24
02 LOADHDR-SYMTABLVL-156	**BIT**	Flag for symbol table level
		X'02' SQL schema support
		X'01' Release 10.0
		X'00' pre-Release 10.0
02 SCHEMA-156	**X(18) DISPLAY**	SQl schema name

3.54 LOADJCT-172

Description: The LOADJCT-172 record type is used by the CA-IDMS/DC online debugger. Each LOADJCT-172 occurrence represents a program that participates in a load module for which a symbol table has been established. Currently, symbol tables can be established only for CA-ADS dialogs; each LOADJCT-172 occurrence represents a premap or response process associated with a dialog.

Record length: 68

Established by: CA-ADS dialog compiler

Member of: DPROG-LOADJCT, LOADHDR-LOADJCT

Location mode: VIA set LOADHDR-LOADJCT

Within area: DDLDCLOD

Field	Picture	Description
02 LOADJCT-NAME-172	X(32) DISPLAY	Process name.
02 LOADJCT-OFFSET-172	S9(8) COMP SYNC	Offset of the process into the load module.
02 LOADJCT-LENGTH-172	S9(8) COMP SYNC	Process length, in bytes.
02 SYMTAB-OFFSET-172	S9(8) COMP SYNC	Relocation factor for the symbol table associated with the load module.
02 LOADJCT-LANGUAGE-172	X(8) BIT	Process language. X'80' Assembler X'40' PL/I X'20' COBOL X'10' ADS interpretive X'08' ADS executable Currently, this field can contain only X'10' (ADS interpretive).
02 LOADJCT-FLAG-172	X(8) BIT	Flag.
02 LOADJCT-VERSION-172	S9(4) COMP SYNC	Version.
02 FILLER	X(20) DISPLAY	

3.55 LOADTEXT-157

Description: Occurrences of the LOADTEXT-157 record type contain the object text for load modules that reside in the DDLDCLOD area of the dictionary.

Record length: 512

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, subschema compiler, CA-IDMS/DC mapping compilers, CA-ADS application compiler, CA-ADS dialog compiler

Member of: LOADHDR-LOADTEXT

Location mode: VIA set LOADHDR-LOADTEXT

Within area: DDLDCLOD

Field	Picture	Description
02 LOADTEXT-TEXT-157	**X(32) DISPLAY OCCURS 16 TIMES**	Object text.

3.56 LOGREC-143

Description: The LOGREC-143 record type is used to store log records when the CA-IDMS/DC log file is assigned to the DDLDCLOG area of the data dictionary (that is, when LOG DATABASE is specified in the CA-IDMS system generation).

Record length: 276

Established by: CA-IDMS/DC run time system

Location mode: DIRECT

Within area: DDLDCLOG

Field	Picture	Description
02 DAYTIME-143	**X(8) DISPLAY**	Date/time on which the log record was written.
02 IDENT-143	**X(8) DISPLAY**	Logical terminal identifier.
02 TYPE-143	**X(1) DISPLAY**	Log record type. C'1' #WTL text line C'2' User trace text or physical I/O trace text C'3' Binary trace entries C'4' Snap or dump text C'5' Snap or dump binary entries C'6' Statistics text X'FF' Force end flag (that is, log record status E) on this page
02 PSTAT-143	**X(1) DISPLAY**	Log record status. C'L' Not yet printed or saved C'S' Printed or saved; can be overwritten C'E' Last logged page of a session (that is, last line written to the log during a normal CA-IDMS/DC shutdown)
02 LENGTH-143	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in TEXT-143.
02 TEXT-143	**DISPLAY OCCURS 0 TO 256 TIMES DEPENDING ON LENGTH-143**	Log record text.

Field	Picture	Description
03 CHAR-143	**X(1)** **DISPLAY**	

3.57 LOOAK-155

Description: LOOAK-155 is the one-of-a-kind record for the DDLDCLOD area of the dictionary. Only one LOOAK-155 occurrence is stored in the dictionary; the occurrence is established by the first CA-IDMS system software component to store a load module in the DDLDCLOD area. The LOOAK-155 occurrence owns all load modules that are loaded from the dictionary.

Record length: 4

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, subschema compiler, CA-IDMS/DC mapping compilers, CA-ADS application compiler, CA-ADS dialog compiler

Owner of: LOOAK-LOADHDR

Location mode: CALC using LOOAK-KEY-155

Within area: DDLDCLOD

Field	Picture	Description
02 LOOAK-KEY-155	**X(4) DISPLAY VALUE 'LOOK'**	CALC key.

3.58 LR-190

Description: Occurrences of the LR-190 record type represent logical records and data tables. Logical records are defined by using the subschema compiler; data tables are defined by using IDB Manager or the CA-IDMS Automatic System Facility (ASF).

Record length: 36

Established by: Subschema compiler, ASF

Owner of: LR-LRACT, LR-LRCMT, LR-LRSSR, LR-LRVERB

Member of: SS-LR

Location mode: CALC using LR-CNTRL-190

Within area: DDLDML

Field	Picture	Description
02 LR-CNTRL-190	**DISPLAY**	Logical record (data table) identification.
03 SS-NAM-190	**X(8)** **DISPLAY**	Subschema name.
03 LR-NAM-190	**X(16)** **DISPLAY**	Logical record name. For data tables, this field contains the data table name translated into a valid COBOL format.
02 S-NAME-190	**DISPLAY**	Schema identification.
03 S-NAM-190	**X(8)** **DISPLAY**	Schema name.
03 S-SER-190	**S9(4) COMP** **SYNC**	Schema version number.
02 FLAG1-190	**X(8) BIT**	X'01' - ON LR-ERROR CLEAR
02 FLAG2-190	**X(8) BIT**	X'01' - ON NOT-FOUND CLEAR

3.59 LRACT-193

Description: LRACT-193 is a junction record that relates a logical record to a program that references or modifies the logical record.

Record length: 20

Established by: IDD DDDL compiler, DML precompilers, CA-ADS dialog compiler

Member of: LR-LRACT, PROG-LRACT

Location mode: VIA set PROG-LRACT

Within area: DDLDML

Field	Picture	Description
02 FUNCT-193	**S9(4) COMP SYNC**	Function code indicating the type of logical record activity performed by the program. For DML commands with the exception of OBTAIN, the function code is the major DML verb number.
88 COPY-193	**COND VALUE +255**	
88 ERASE-193	**COND VALUE +02**	
88 MODIFY-193	**COND VALUE +08**	
88 STORE-193	**COND VALUE +12**	
88 OBTAIN-193	**COND VALUE +43**	
02 COUNT-193	**S9(4) COMP SYNC**	Number of times that the program issues the verb indicated by FUNCT-193.
02 LR-NAM-193	**X(16) DISPLAY**	Name of the logical record that owns the LRACT-193 occurrence.

3.60 LRCMT-194

Description: LRCMT-194 is the comment record associated with the LR-190 record type.

►►For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: Subschema compiler

Member of: LR-LRCMT

Location mode: VIA set LR-LRCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-194	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-194	**DISPLAY**	
03 CMT-INFO-194	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-194	**S9(8) COMP SYNC**	Comment code. For reserved values, see "Comment records" in Chapter 2.

3.61 LRSSR-189

Description: LRSSR-189 is a junction record that relates a logical record to a subschema record or IDD record that participates in the logical record.

Record length: 56

Established by: Subschema compiler

Member of: LR-LRSSR, RCDSYN-LRSSR, SSR-LRSSR

Location mode: CALC using LRSSR-CNTRL-189

Within area: DDLDML

Field	Picture	Description
02 OFFSET-189	**S9(4) COMP SYNC**	Offset of the subschema record or IDD record into the logical record. The value in this field is always rounded up to a doubleword boundary; the DML pre-compilers account for this rounding by generating the appropriate fillers.
02 LENGTH-189	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in the owner subschema or IDD record. This field represents the true data length for the record (that is, the data length before any rounding occurs because of the doubleword boundary requirement).
02 LRSSR-CNTRL-189	**DISPLAY**	Participating record identification.
03 SS-NAME-189	**X(8) DISPLAY**	Subschema name.
03 ROLE-NAME-189	**X(32) DISPLAY**	Role name.
02 S-NAME-189	**DISPLAY**	Schema identification.
03 S-NAM-189	**X(8) DISPLAY**	Schema name.
03 S-SER-189	**S9(4) COMP SYNC**	Schema version number.

Field	Picture	Description
02 LRSSR-FLAG-189	**X(8) BIT**	Flag byte. If the high-order bit in this field is set (that is, if the field contains X'80'), the LRSSR-189 occurrence is owned by an IDD record; in this case, the LRSSR-189 occurrence is connected to the RCDSYN-LRSSR set. If the high-order bit in this field is not set, the LRSSR-189 occurrence is owned by a subschema record; in this case, the LRSSR-189 occurrence is connected to the SSR-LRSSR set.
02 FILLER	**X(1) DISPLAY**	

3.62 **LRVERB-191**

Description: Occurrences of the LRVERB-191 record type represent DML verbs (for example, OBTAIN or ERASE) that programs can issue for the logical record that owns the LRVERB-191 occurrences.

Record length: 12

Established by: Subschema compiler

Owner of: LRVERB-PATHDEF

Member of: LR-LRVERB

Location mode: VIA set LR-LRVERB

Within area: DDLDML

Field	Picture	Description
02 LRVERBK-191	**X(8)** **DISPLAY**	DML verb name. The DML verbs that can be issued for a logical record are OBTAIN, MODIFY, STORE, and ERASE.
02 PATH-COUNT-191	**S9(8) COMP** **SYNC**	Number of paths defined for the verb contained in LRVERBK-191. This field will contain 0 if the subschema compiler encountered path definition errors.

3.63 LTRM-106

Description: Occurrences of the LTRM-106 record type represent logical terminals.

Record length: 116

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: LTRM-LTRMATTR, LTRM-LTRMCMT, LTRM-LTRMLST, LTRM-USERLTRM

Member of: OOAK-LTRM

Location mode: CALC using LTRM-NAME-106

Within area: DDLDML

Field	Picture	Description
02 LTRM-NAME-106	X(8) DISPLAY	Logical terminal name.
02 LTRM-VER-106	S9(4) COMP SYNC	Logical terminal version number.
02 BUILDER-106	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(1) DISPLAY	
02 DESCR-106	X(40) DISPLAY	Logical terminal description.
02 DATE-LU-106	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-106	X(8) DISPLAY	Date established.
02 PREP-BY-106	X(8) DISPLAY	User who added the logical terminal.
02 REV-BY-106	X(8) DISPLAY	User who last updated the logical terminal.
02 PTRM-NAME-106	X(8) DISPLAY	Name of the physical terminal with which the logical terminal is associated.

Field	Picture	Description
02 TASK-NAME-106	**X(8) DISPLAY**	Autotask name or printer bit map. For non-printer logical terminals, this field contains the name of the task, if any, to be initiated automatically when the logical terminal is enabled. For printer logical terminals, this field is a bit map that indicates the printer classes assigned to the logical terminal. Each bit (1 through 64) represents a printer class. If bit *x* is set (equal to 1), the corresponding printer class is assigned to the logical terminal. If bit *x* is not set (equal to 0), the corresponding printer class is not assigned to the logical terminal.
02 PTRM-VER-106	**S9(4) COMP SYNC**	Version number of the physical terminal with which the logical terminal is associated.
02 PRIORITY-106	**X(8) BIT**	Logical terminal priority.
02 LTRM-FLAG1-106	**X(8) BIT**	Flag byte. X'80' - All alphabetic characters are converted to uppercase X'40' - The logical terminal is disabled X'20' - The logical terminal is a printer X'10' - The TASK-NAME-106 field contains a task name X'08' - The logical terminal is a command-initiated batch terminal X'04' - The logical terminal is a terminal-initiated batch terminal X'02' - The logical terminal cannot receive immediate-write messages X'01' - No banner pages are printed with reports routed to the printer logical terminal
02 PAGE-CT-106	**S9(4) COMP SYNC**	Printer checkpoint interval in number of pages.
02 PUB-ACCESS-FLAG-106	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 LTRM-FLAG2-106	**X(8) BIT**	Switch protocol flag. X'80' - Switch X'20' - Write switch protocol X'10' - Read switch protocol
02 USER-COUNT-106	**S9(4) COMP SYNC**	Count of users registered for all.

Field	Picture	Description
02 LTRM-FLAG3-106	**X(8) BIT**	Flag byte.
		X'80' - Suppress user newpage native.
		X'40' - Suppress user newpage nonnative.
		X'20' - Suppress SCS CR/LF at beginning of report.
		X'10' - Suppress newpage newline.
		X'08' - Auto newpage at end of native report.
		X'04' - Auto newpage at end of nonnative report.
		X'02' - Suppress newpage at beginning of native report.
		X'01' - Suppress newpage at beginning of non-native report.
02 FILLER	**X(5) DISPLAY**	

3.64 **LTRMATTR-108**

Description: LTRMATTR-108 is the attribute junction record for the LTRM-106 record type.

►►For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, LTRM-LTRMATTR

Location mode: VIA set LTRM-LTRMATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-108	**X(40)** **DISPLAY**	User-supplied junction text.

3.65 LTRMCMT-107

Description: LTRMCMT-107 is the comment record associated with the LTRM-106 record type.

►►For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: LTRM-LTRMCMT

Location mode: VIA set LTRM-LTRMCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-107	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-107	**DISPLAY**	
03 CMT-INFO-107	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-107	**S9(8) COMP SYNC**	Comment code. For reserved values, see "Comment records" in Chapter 2.

3.66 LTRMLST-105

Description: LTRMLST-105 is the junction record that relates a logical terminal to a CA-IDMS/DC system in which the logical terminal participates. LTRMLST-105 also relates a logical terminal to the physical terminal with which it is associated and to the destinations in which it participates.

Record length: 28

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: LTRMLST-DESTLTRM

Member of: LTRM-LTRMLST, PTRMLST-LTRMLST, SYS-LTRMLST

Location mode: VIA set SYS-LTRMLST

Within area: DDLDML

Field	Picture	Description
02 LTRM-NAME-105	**X(8) DISPLAY**	Logical terminal name.
02 BUILDER-105	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-105	**X(1) DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 LTRM-VER-105	**S9(4) COMP SYNC**	Logical terminal version number.
02 TASK-NAME-105	**X(8) DISPLAY**	Autotask name or printer bit map. For non-printer logical terminals, this field contains the name of the task, if any, to be initiated automatically when the logical terminal is enabled. For printer logical terminals, this field is a bit map that indicates the printer classes assigned to the logical terminal. Each bit (1 through 64) represents a printer class. If bit x is set (equal to 1), the corresponding printer class is assigned to the logical terminal. If bit x is not set (equal to 0), the corresponding printer class is not assigned to the logical terminal.
02 PRIORITY-105	**X(8) BIT**	Logical terminal priority.

Field	Picture	Description
02 LTRM-FLAG1-105	**X(8) BIT**	Flag byte.
		X'80' - All alphabetic characters are converted to uppercase X'40' - The logical terminal is disabled X'20' - The logical terminal is a printer X'10' - The TASK-NAME-106 field contains a task name X'08' - The logical terminal is a command-initiated batch terminal X'04' - The logical terminal is a terminal-initiated batch terminal X'02' - The logical terminal cannot receive immediate-write messages X'01' - No banner pages are printed with reports routed to the printer logical terminal
02 PAGE-CT-105	**S9(4) COMP SYNC**	Printer checkpoint interval in number of pages.
02 LTERM-FLAG2-105	**X(8) BIT**	Switch protocol flag.
		X'80' - Switch X'20' - Write switch protocol X'10' - Read switch protocol
02 LTRM-FLAG3-105	**X(8) BIT**	Flag byte.
		X'80' - Suppress user newpage native. X'40' - Suppress user newpage nonnative. X'20' - Suppress SCS CR/LF at beginning of report. X'10' - Suppress newpage newline. X'08' - Auto newpage at end of native report. X'04' - Auto newpage at end of nonnative report. X'02' - Suppress newpage at beginning of native report. X'01' - Suppress newpage at beginning of non-native report.
02 FILLER	**X(2) DISPLAY**	

3.67 MAP-098

Description: Occurrences of the MAP-098 record type represent maps.

Record length: 300

Established by: IDD DDDL compiler, ASF, CA-IDMS/DC mapping compilers

Owner of: MAP-MAPATTR, MAP-MAPCMT, MAP-MAPFLD, MAP-MAPLST, MAP-MAPRCD, MAP-PROGMAP, MAP-USERMAP

Member of: OOAK-MAP, PANEL-MAP

Location mode: CALC using MAP-NAME-098

Within area: DDLDML

Field	Picture	Description
02 MAP-NAME-098	**X(8)** **DISPLAY**	Map name.
02 MAP-VER-098	**S9(4) COMP** **SYNC**	Map version number.
02 BUILDER-098	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 MAP-FLAG-098	**BIT**	Flag byte. X'80' — Map has been changed X'40' — Map has errors X'20' — Map load module is resident at runtime X'10' — Map has critical changes X'08' — Map is autopanel-type X'04' — An explicit subscript of a data field is mapped to an explicit subscript of a map field X'02' — Map contains a response field X'01' — Terminal alarm sounds on map input errors
02 MAP-FLDCNT-098	**S9(4) COMP** **SYNC**	Number of nonliteral fields in the map.
02 MAP-RCDCNT-098	**S9(4) COMP** **SYNC**	Number of records used by the map.
02 MAP-DATE-098	**X(8)** **DISPLAY**	Date on which the map was last compiled with critical changes (*mm/dd/yy*).

Field	Picture	Description
02 MAP-TIME-098	**X(6) DISPLAY**	Time at which the map was last compiled with critical changes (*hhmmss*).
02 MAP-ID-098	**X(2) DISPLAY**	Release number of the CA-IDMS/DC mapping compiler used to compile the map.
02 DESCR-098	**X(40) DISPLAY**	Map description.
02 PREP-BY-098	**X(8) DISPLAY**	User who added the map.
02 REV-BY-098	**X(8) DISPLAY**	User who last updated the map.
02 DATE-LU-098	**X(8) DISPLAY**	Date of last update with critical changes.
02 DATE-CREATED-098	**X(8) DISPLAY**	Date established.
02 MAP-CURSOR-098	**X(32) DISPLAY**	Name of the panel field in which the cursor is displayed after a mapout operation.
02 MAP-EXT-NAME-098	**X(32) DISPLAY REDEFINES MAP-CURSOR-098**	Unused.
02 MAP-ORG-TABLE-098	**DISPLAY**	
03 MAP-ORG-098	**DISPLAY OCCURS 10 TIMES**	Map origin information.
04 ORIGIN-DEVS-098	**X(8) BIT**	Device types to which the map origin applies. X'80' Screen size 12 by 40 X'40' Screen size 12 by 80 X'20' Screen size 24 by 80 X'10' Screen size 32 by 80 X'08' Screen size 43 by 80 X'04' Line-by-line device X'02' Screen size 27 by 132
04 ORIGIN-ROW-098	**X(1) DISPLAY**	Row origin for the map on the indicated device types.
04 ORIGIN-COLM-098	**X(1) DISPLAY**	Column origin for the map on the indicated device types.

Field	Picture	Description
02 MAP-DD-NAMES-098	**X(30) DISPLAY REDEFINES MAP-ORG-TABLE-098**	Reserved for file maps.
02 MAP-WCC-098	**X(8) BIT**	Flag byte for the write control character. X'20' — 64-character lines in the terminal buffer X'10' — 40-character lines in the terminal buffer X'20' + X'10' — 80-character lines in the terminal buffer X'08' — Contents of terminal buffer printed on mapout X'04' — Terminal alarm sounds on mapout X'02' — Keyboard unlocked on mapout X'01' — Modified data tags reset on mapout
02 MAP-ATTR-098	**DISPLAY**	
03 MAP-ERR-ON1-098	**X(1) DISPLAY**	Attribute mask byte 1 on for error fields. The attributes indicated by this mask byte take effect for fields that are found to be in error by automatic editing.
03 MAP-ERR-ON2-098	**X(1) DISPLAY**	Attribute mask byte 2 (for 3279 extended highlighting) on for error fields. The attributes indicated by this mask byte take effect for fields that are found to be in error by automatic editing.
03 MAP-ERR-ON3-098	**X(1) DISPLAY**	Attribute mask byte 3 (for 3279 extended color) on for error fields. The attributes indicated by this mask byte take effect for fields that are found to be in error by automatic editing.
03 MAP-ERR-OF1-098	**X(1) DISPLAY**	Attribute mask byte 1 off for error fields. This mask byte indicates attributes that conflict with the attributes selected for error fields; these conflicting attributes are explicitly removed from fields that are found to be in error by automatic editing.
03 MAP-ERR-OF2-098	**X(1) DISPLAY**	Attribute mask byte 2 (for 3279 extended highlighting) off for error fields. This mask byte indicates attributes that conflict with the attributes selected for error fields; these conflicting attributes are explicitly removed from fields that are found to be in error by automatic editing.

Field	Picture	Description
03 MAP-ERR-OF3-098	**X(1) DISPLAY**	Attribute mask byte 3 (for 3279 extended color) off for error fields. This mask byte indicates attributes that conflict with the attributes selected for error fields; these conflicting attributes are explicitly removed from fields that are found to be in error by automatic editing.
03 MAP-COR-ON1-098	**X(1) DISPLAY**	Attribute mask byte 1 on for correct fields. The attributes indicated by this mask byte take effect for correct fields in a map that contains errors.
03 MAP-COR-ON2-098	**X(1) DISPLAY**	Attribute mask byte 2 (for 3279 extended highlighting) on for correct fields. The attributes indicated by this mask byte take effect for correct fields in a map that contains errors.
03 MAP-COR-ON3-098	**X(1) DISPLAY**	Attribute mask byte 3 (for 3279 extended color) on for correct fields. The attributes indicated by this mask byte take effect for correct fields in a map that contains errors.
03 MAP-COR-OF1-098	**X(1) DISPLAY**	Attribute mask byte 1 off for correct fields. This mask byte indicates attributes that conflict with the attributes selected for correct fields; these conflicting attributes are explicitly removed from correct fields in a map that contains errors.
03 MAP-COR-OF2-098	**X(1) DISPLAY**	Attribute mask byte 2 (for 3279 extended highlighting) off for correct fields. This mask byte indicates attributes that conflict with the attributes selected for correct fields; these conflicting attributes are explicitly removed from correct fields in a map that contains errors.
03 MAP-COR-OF3-098	**X(1) DISPLAY**	Attribute mask byte 3 (for 3279 extended color) off for correct fields. This mask byte indicates attributes that conflict with the attributes selected for correct fields; these conflicting attributes are explicitly removed from correct fields in a map that contains errors.
02 MAP-FLAG2-098	**X(8) BIT**	Flag byte 2.

> X'80' — Map contains a message field.
> X'40' — Automatic editing and error handling are disabled.
> X'20' — Unfinished map.
> X'08' — Pageable map.
> X'02' — Map contains a $PAGE field.

Field	Picture	Description
02 MAP-FLAG3-098	**X(8) BIT**	Flag byte 3.
		X'80' — Comma is interpreted as a decimal point.
02 MAP-HELP-FLAG1-098	**X(8) BIT**	Map help flag 1.
02 FILLER	**X(2) DISPLAY**	Filler.
02 MAP-ROWS-098	**S9(4) COMP SYNC**	Unused.
02 MAP-COLUMNS-098	**S9(4) COMP SYNC**	Unused.
02 MAP-UP-PFK-098	**X(1) DISPLAY**	Unused.
02 MAP-DOWN-PFK-098	**X(1) DISPLAY**	Unused.
02 MAP-LEFT-PFK-098	**X(1) DISPLAY**	Unused.
02 MAP-RIGHT-PFK-098	**X(1) DISPLAY**	Unused.
02 MAP-SCROLL-ROWS-098	**S9(4) COMP SYNC**	Unused.
02 MAP-SCROLL-COLUMNS-098	**S9(4) COMP SYNC**	Unused.
02 MAP-EXT-VER-098	**S9(4) COMP SYNC**	Unused.
02 PUB-ACCESS-FLAG-098	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 MAP-HELP-FLAG2-098	**X(8) BIT**	Map help flag 2.
02 USER-COUNT-098	**S9(4) COMP SYNC**	Reserved for future use.
02 MAP-DEP-ON-OFFSET-098	**S9(4) COMP SYNC**	Reserved for future use.
02 MAP-DEP-ON-LEN-098	**S9(4) COMP SYNC**	Reserved for future use.
02 MAP-DEP-ON-MAX-098	**S9(4) COMP SYNC**	Reserved for future use.
02 MAP-DEP-ON-MCE-098	**S9(8) COMP SYNC**	Reserved for future use.

Field	Picture	Description
02 MAP-MSG-PREFIX-098	**X(2) DISPLAY**	Reserved for future use.
02 MAP-HELP-MODULE-NAME-098	**X(32) DISPLAY**	Help IDD module name.
02 MAP-HELP-MODULE-VER-098	**S9(4) COMP SYNC**	Help IDD module version.
02 MAP-HELP-LDM-NAME-098	**X(8) DISPLAY**	Help load module name.
02 MAP-HELP-PFK-098	**X(1) DISPLAY**	Help PF key.
02 MAP-HELP-FLAG3-098	**X(8) BIT**	Map help flag 3.
02 FILLER	**X(42) DISPLAY**	Reserved for future use.

3.68 MAPATTR-123

Description: MAPATTR-123 is the attribute junction record for the MAP-098 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, MAP-MAPATTR

Location mode: VIA set MAP-MAPATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-123	**X(40) DISPLAY**	User-supplied junction text.

3.69 MAPCMT-122

Description: MAPCMT-122 is the comment record associated with the MAP-098 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: MAP-MAPCMT

Location mode: VIA set MAP-MAPCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-122	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-122	**DISPLAY**	
03 CMT-INFO-122	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-122	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.70 MAPFLD-124

Description: Occurrences of the MAPFLD-124 record type represent map fields.

Record length: 328

Established by: CA-IDMS/DC mapping compilers

Member of: MAP-MAPFLD, MAPRCD-MAPFLD, NAMESYN-MAPFLD, PANELFLD-MAPFLD

Location mode: VIA set MAP-MAPFLD

Within area: DDLDML

Field	Picture	Description
02 DATAFLD-INDEX-124	**S9(4) COMP SYNC**	Data field sequence number. This field contains the sequential number assigned to the record element associated with the map data field. For $MESSAGE, $PAGE, and $RESPONSE map fields, this field contains the map field length.
02 PANFLD-INDEX-124	**S9(4) COMP SYNC**	Panel field sequence number. This field contains the sequential number assigned to the panel field associated with the map field.
02 MAP-INDEX-124	**S9(4) COMP SYNC**	Map field sequence number. This field contains the sequential number assigned to the map field.
02 MFLINFLG-124	**X(8) BIT**	Flag byte for input attributes.
		X'80' — Map field data is right justified on mapin.
		X'20' — Map field data data is padded on mapin.
		X'10' — Map field data is moved automatically on mapin.
		X'08' — Automatic editing before user edit module.
		X'04' — Automatic editing after user edit module.
		X'02' — Zeros do not replace nulls when the map field is erase.

Field	Picture	Description
02 MFLOUFLG-124	**X(8) BIT**	Flag byte for output attributes.
		X'80' — Trailing blanks are eliminated X'40' — Data in program variable storage is mapped out X'20' — Map field initialized to nulls or low-values X'60' — DATA = ERASE ON OUTPUT X'10' — Blanks translated to underscores X'08' — Automatic editing before user edit module X'04' — Automatic editing after user edit module X'02' — Zero value in a numeric field is displayed as blanks X'01' — Only the attribute byte for a data field is transmitted
02 MFLFLG1-124	**X(8) BIT**	Flag byte.
		X'40' — Input is required for the map field. X'10' — An edit table is associated with the map field. X'08' — A code table is associated with the map field. X'04' — An error message for automatic editing is associated with the map field. X'02' — The value in the field is reversed during I/O operations.
02 MFLPADC-124	**X(1)** **DISPLAY**	Pad character. This field is meaningful only if X'20' bit in MFLINFLG-124 is set.
02 MFLLINED-124	**X(8)** **DISPLAY**	Name of the user-written input edit module for the map field.
02 MFLOUTED-124	**X(8)** **DISPLAY**	Name of the user-written output edit module for the map field.
02 MFLTYPE-124	**X(8) BIT**	Map field type flag.
		X'80' Literal field X'40' Message field X'20' Response field X'10' Page field X'08' Data field
02 MFLFLG2-124	**X(8) BIT**	Map field flag.
		X'80' Multiple subscripts.

Field	Picture	Description
02 MFLDFLDN-124	**X(32) DISPLAY**	Name of the record element associated with the map data field.
02 MFLSF-124	**BIT**	Screen format flag byte.
		X'80' — The user has defined an external picture. X'40' — Automatic editing is performed for the map field.
02 MFLGRP1-124	**DISPLAY**	External picture information.
03 MFLEXFLG-124	**X(8) BIT**	External picture flag byte.
		X'80' — External picture specified. X'40' — Internal picture used.
03 MFLEXPLN-124	**S9(4) COMP SYNC**	Length, in bytes, of the external picture string in MFLEXTXT-124.
03 MFLEXTXT-124	**X(32) DISPLAY**	External picture.
02 MFLGRP2-124	**DISPLAY REDEFINES MFLGRP1-124**	
03 MFLEFFLG-124	**X(8) BIT**	Edit format flag.
		X'80' — Check format. X'40' — Zero suppress. X'20' — Dollar. X'10' — No edit. X'08' — Social security. X'04' — Date. X'02' — Sign needed. X'01' — Negative. X'00' — No sign.
03 MFLESIZ-124	**S9(4) COMP SYNC**	Size.
03 MFLEFDGT-124	**S9(4) COMP SYNC**	Number of digits to suppress.
03 MFLDTFLG-124	**X(8) BIT**	Date flag.
		X'80' — Internally Gregorian. X'40' — Externally Gregorian. X'20' — Internally Julian. X'10' — Externally Julian.

Field	Picture	Description
02 MFLETFLG-124	**X(8) BIT**	Edit table flag.
		X'80' — Edit table is linked. X'40' — Edit table dynamically loaded. X'20' — Edit table contains valid values. X'10' — Edit table contains invalid values.
02 FILLER	**X(1)** **DISPLAY**	
02 MFLETNAM-124	**X(8)** **DISPLAY**	Name of the edit table associated with the map field.
02 MFLETVER-124	**S9(4) COMP** **SYNC**	Version number of the edit table associated with the map field.
02 MFLCTFLG-124	**X(8) BIT**	Code table flag.
		X'80' — Code table is linked. X'40' — Code table dynamically loaded.
02 FILLER	**X(1)** **DISPLAY**	Reserved.
02 MFLCTNAM-124	**X(8)** **DISPLAY**	Name of the code table associated with the map field.
02 MFLCTVER-124	**S9(4) COMP** **SYNC**	Version number of the code table associated with the map field.
02 MFLGRP3-124	**DISPLAY**	Error message information for dictionary messages.
03 MFLMSGID-124	**X(8)** **DISPLAY**	Message identifier for dictionary messages.
03 FILLER	**X(74)** **DISPLAY**	
02 MFLGRP4-124	**DISPLAY** **REDEFINES** **MFLGRP3-** **124**	Error message information for user-supplied message text.
03 MFLMSGLN-124	**S9(4) COMP** **SYNC**	Length, in bytes, of the message text.
03 MFLMSG-124	**X(80)** **DISPLAY**	Message text.
02 MFLMFLG-124	**X(8) BIT**	Error message flag.
		X'80' — Message text provided. X'40' — Message ID provided.

Field	Picture	Description
02 FILLER	**X(1)** **DISPLAY**	Reserved.
02 MFLGRP5-124	**DISPLAY**	
03 MAP-EXT-NAME-124	**X(32)** **DISPLAY**	External file name.
03 MAP-EXT-SUB-124	**S9(4) COMP** **SYNC**	External file subscript.
03 MFLFRSEQ-124	**X(8) BIT**	File sequence number.
03 MFLEFFLG2-124	**X(8) BIT**	External file flag. X'80' — Multiple subscripts. X'40' — Variable length array. X'20' — Group with ODO field only EMB X'10' — Group with ODO field no inter
03 MFLGPLN-124	**S9(4) COMP** **SYNC**	Length of ODO array.
03 MFLGPOF-124	**S9(4) COMP** **SYNC**	Offset to ODO array.
03 MAP-MSG-PREFIX-124	**X(2)** **DISPLAY**	Field level message prefix.
03 MFLHLPMODTXT-124	**X(32)** **DISPLAY**	Help text IDD module name.
03 MFLHLPMODVER-124	**X(8) BIT**	Help text IDD module version.
03 MFLHLPFLG1	**X(8) BIT**	X'80' — Help option requested X'40' — Full screen format X'20' — Include IDD module
03 MFLHLPFLG2	**X(8) BIT**	X'80' — Record comments X'40' — Map comments X'20' — Record- element comments X'10' — Element comments X'08' — Message record to obtain X'04' — Edit table X'02' — Code table X'01' — Text entered via online mapping facility

Field	Picture	Description
03 MFLHLPFLG3	**X(8) BIT**	X'80' — Drop record comments
		X'40' — Drop map comments
		X'20' — Drop record-element comments
		X'10' — Drop element comments
		X'08' — Drop message record to obtain
		X'04' — Drop edit table
		X'02' — Drop code table
		X'01' — Drop text entered via online mapping facility
02 FILLER	**X(45) DISPLAY**	

3.71 MAPLST-097

Description: MAPLST-097 is a junction record that relates a map to a system. This relationship is documentational only.

Record length: 44

Established by: IDD DDDL compiler

Member of: MAP-MAPLST, SYS-MAPLST

Location mode: VIA set SYS-MAPLST

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-097	**X(40)** **DISPLAY**	User-supplied junction text.
02 FILLER	**X(4)** **DISPLAY**	

3.72 MAPRCD-125

Description: MAPRCD-125 is a junction record that relates a record to a map that uses the record.

Record length: 80

Established by: ASF, CA-IDMS/DC mapping compilers

Owner of: MAPRCD-MAPFLD

Member of: MAP-MAPRCD, RCDSYN-MAPRCD

Location mode: VIA set MAP-MAPRCD

Within area: DDLDML

Field	Picture	Description
02 MAP-INDEX-125	**S9(4) COMP SYNC**	Map record sequence number. Each record that a map uses is assigned a sequential number, starting at 1 for the first record used.
02 JCT-TEXT-125	**X(40) DISPLAY**	User-supplied junction text.
02 MAP-RECNAM-125	**X(32) DISPLAY**	Map record role name, if any.
02 RCD-VERS-125	**S9(4) COMP SYNC**	Unused.
02 RFILE-FLAG-125	**X(8) BIT**	Flag byte. X'80' — File record
02 FILLER	**X(3) DISPLAY**	

3.73 MESSAGE-116

Description: Occurrences of the MESSAGE-116 record type represent messages that are stored in the DDLDCMSG area of the dictionary.

Record length: 44

Established by: IDD DDDL compiler

Owner of: MESSAGE-MSGCMT, MESSAGE-MSGLINE

Location mode: CALC using MSG-KEY-116

Within area: DDLDCMSG

Field	Picture	Description
02 MSG-KEY-116	**X(8) DISPLAY**	Message identifier.
02 MSG-KEYRED-116	**DISPLAY REDEFINES MSG-KEY-116**	Redefinition of the MSG-KEY-116 field.
03 MSG-MAJ-116	**X(5) DISPLAY**	First five bytes of the message identifier. Typically, the first five bytes of the message identifier for system-supplied error messages consist of a two-byte product identifier and a three-digit module identifier.
03 FILLER	**X(3) DISPLAY**	
02 BUILDER-116	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 DATE-LU-116	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-116	**X(8) DISPLAY**	Date established.
02 PREP-BY-116	**X(8) DISPLAY**	User who added the message.
02 REV-BY-116	**X(8) DISPLAY**	User who last updated the message.
02 MDRSEVCD-116	**X(1) DISPLAY**	Message severity code.

Field	Picture	Description
02 FILLER	**X(2)** **DISPLAY**	

3.74 MODATTR-069

Description: MODATTR-069 is the attribute junction record for the MODULE-067 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler, ASF, CA-ADS application compiler, CA-OLQ

Member of: ATTR-JCT, MODULE-MODATTR

Location mode: VIA set MODULE-MODATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-069	**X(40) DISPLAY**	User-supplied junction text.

3.75 MODCMT-084

Description: MODCMT-084 is the comment record associated with the MODULE-067 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler, ASF headers

Member of: MODULE-MODCMT

Location mode: VIA set MODULE-MODCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-084	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-084	**DISPLAY**	
03 CMT-INFO-084	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 VALS-084	**DISPLAY REDEFINES CMT-084**	Redefinition of the CMT-084 field for MODCMT-084 occurrences that contain table values.
03 VAL-LGTH1-084	**S9(4) COMP SYNC**	Length, in bytes, of the first value string, including quotation marks if specified.
03 VAL-LGTH2-084	**S9(4) COMP SYNC**	Length, in bytes, of the second value string, including quotation marks if specified. A second value occurs only for code tables. This field contains -1 if no second value exists.
03 VAL-TEXT-084	**DISPLAY**	
04 VAL1-084	**X(34) DISPLAY**	First value, including quotation marks if specified.
04 VAL2-084	**DISPLAY**	Second value, including quotation marks if specified.
05 ISEQ-084	**X(1) DISPLAY**	Sort sequence for index key.

Field	Picture	Description
88 ISEQ-ASC-084	**COND VALUE 'A'**	
88 ISEQ-DES-084	**COND VALUE 'D'**	
88 ISEQ-NONE-084	**COND VALUE ' '**	
05 FILLER	**X(33) DISPLAY**	
05 FILLER	**X(28) DISPLAY**	
02 HDR-GROUP-084	**DISPLAY REDEFINES CMT-084**	Redefinition of the CMT-084 field for MODCMT-084 occurrences with a comment code (CMT-ID-084) of -8 or -9 (that is, occurrences that represent edit or code tables).
03 FILLER	**X(4) DISPLAY**	
03 HDR-NR-OF-ENTRIES-084	**S9(4) COMP SYNC**	Number of entries in the table.
03 HDR-ENTRY-LEN-084	**S9(4) COMP SYNC**	Length, in bytes, of the largest table entry.
03 HDR-KEY-OFFSET-084	**S9(4) COMP SYNC**	Key offset.
03 HDR-KEY-LEN-084	**X(8) BIT**	Length of key.
03 HDR-FLAG1-084	**X(8) BIT**	Flag byte 1. X'40' — Linear search. X'20' — Binary search.
03 HDR-START-084	**S9(8) COMP SYNC**	Pointer to the start of the table.
03 HDR-TABLE-LEN-084	**S9(8) COMP SYNC**	Total length of the table text.

Field	Picture	Description
03 HDR-FLAG2-084	**X(8) BIT**	Flag byte 2.
		X'80' — Type of list (ON = valid, OFF = invalid)
		X'40' — Binary search (ON = encode, OFF = decode)
		X'20' — Encode format (ON = numeric, OFF = alpha)
		X'10' — Decode format (ON = numeric, OFF = alpha)
		X'08' — Table (ON = sorted, OFF = unsorted)
		X'04' — Duplicates (ON = allowed, OFF = not allowed)
		X'02' — CATCH ALL ACTIVE (ON = yes, OFF = no)
		X'01' — Type of table (ON = edit, OFF = code)
03 HDR-EN-DP-084	**X(8) BIT**	Decimal position indicator for encoded values in the table.
03 HDR-DE-DP-084	**X(8) BIT**	Decimal position indicator for decoded values in the table.
03 FILLER	**X(1) DISPLAY**	
03 HDR-LIN-SIZE-084	**S9(8) COMP SYNC**	Basic calculated linear table size.
03 HDR-EN-VAL-SIZE-084	**S9(4) COMP SYNC**	Encode catch-all value size.
03 HDR-DE-VAL-SIZE-084	**S9(4) COMP SYNC**	Decode catch-all value size.
03 HDR-EN-MAX-084	**S9(4) COMP SYNC**	Number of entries with the maximum encode size.
03 HDR-DE-MAX-084	**S9(4) COMP SYNC**	Number of entries with the maximum decode size.
03 HDR-EN-MAX-SIZE-084	**X(8) BIT**	Maximum encode size.
03 HDR-DE-MAX-SIZE-084	**X(8) BIT**	Maximum decode size.
03 FILLER	**X(62) DISPLAY**	
02 ASF-GROUP-084	**DISPLAY REDEFINES CMT-084**	ASF headers

Field	Picture	Description
03 ASF-FIELD-NAME-084	**X(32) DISPLAY**	Field name
03 ASF-RECORD-NAME-084	**X(32) DISPLAY**	ASF record name
03 ASF-RECORD-NR-084	**S9(8) COMP SYNC**	ASF record definition number (RDN)
03 ASF-FIELD-NR-084	**S9(4) COMP SYNC**	ASF record field number (FNO)
03 ASF-MAP-SEQ-084	**S9(4) COMP SYNC**	Map sequence number
03 ASF-SUBSCR-CNT-084	**S9(4) COMP SYNC**	Number of subscripts
03 SUBSCR-1-084	**S9(4) COMP SYNC**	First subscript
03 SUBSCR-2-084	**S9(4) COMP SYNC**	Second subscript
03 SUBSCR-3-084	**S9(4) COMP SYNC**	Third subscript
03 SUBSCR-4-084	**S9(4) COMP SYNC**	Fourth subscript
03 SUBSCR-5-084	**S9(4) COMP SYNC**	Fifth subscript
03 FILLER	**X(16) DISPLAY**	
02 CMT-ID-084	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.76 MODLST-055

Description: MODLST-055 is a junction record that relates a module to a program that uses or copies the module. MODLST-055 is also used to relate a CA-ADS dialog to a premap or response process included in the dialog.

Record length: 44

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS application compiler, CA-ADS dialog compiler

Member of: MODULE-MODLST, PROG-MODLST

Location mode: VIA set PROG-MODLST

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-055	**X(40) DISPLAY**	User-supplied junction text.
02 ADS-LST-TEXT-055	**DISPLAY REDEFINES JCT-TEXT-055**	Redefinitions of the JCT-TEXT-055 field for use by the CA-ADS compilers.
03 ADS-RESPONSE-GROUP-055	**DISPLAY**	
04 ADS-PFKEY-055	**X(5) DISPLAY**	Control key associated with the response process.
04 FILLER	**X(1) DISPLAY**	
04 ADS-FUNC-CODE-055	**X(32) DISPLAY**	Response field value associated with the response process.
04 FILLER	**X(1) DISPLAY**	
04 ADS-EXEC-ERRS-055	**X(1) DISPLAY**	Execute on edit errors indicator.
88 ADS-EXEC-ERRS-YES-055	**COND VALUE 'Y'**	

Field	Picture	Description
03 ADS-PREMAP-GROUP-055	**DISPLAY REDEFINES ADS-RESPONSE-GROUP-055**	
04 ADS-PREMAP-055	**X(6) DISPLAY**	Premap process indicator. If the MODLST-055 occurrence relates a dialog to a premap process, this field contains the literal PREMAP.
88 ADS-PREMAP-PROCESS-055	**COND VALUE 'PREMAP'**	
04 FILLER	**X(34) DISPLAY**	
02 BUILDER-055	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(3) DISPLAY**	

3.77 MODMAP-195

Description: MODMAP-195 is a junction record relating MODULE-067 occurrences to MAP-098 occurrences to reflect included edit and code tables or help text.

Record length: 44

Established by: IDD DDDL compiler, CA-IDMS/DC mapping compilers

Member of: MAP-MODMAP, MODULE-MODMAP

Location mode: VIA set MODULE-MODMAP

Within area: DDLDML

Field	Picture	Description
02 JCT-TYPE-195	**S9(8) COMP SYNC**	Junction type. 0 = Help text 1 = Linked edit/code table 2 = Unlinked edit/code table
02 JCT-TEXT-195	**X(40) DISPLAY**	Junction text.

3.78 MODNEST-031

Description: MODNEST-031 is the nesting junction record for the MODULE-067 record type. The CA-ADS application compiler uses MODNEST-031 occurrences to represent application responses; the owner MODULE-067 of the MODNEST-IMPL set represents the application function invoked by the response. Member MODNEST-031 occurrences in the MODNEST-EXPL set represent the responses that are valid for the owner application function.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler, CA-ADS application compiler

Member of: MODNEST-EXPL, MODNEST-IMPL

Location mode: VIA set MODNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-031	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-031	**X(40) DISPLAY**	User-supplied junction text.
02 ADS-RSP-TEXT-031	**DISPLAY REDEFINES JCT-TEXT-031**	Redefinition of the JCT-TEXT-031 field for MODNEST-031 occurrences with a nest code of -8 (that is, occurrences that represent CA-ADS application responses).
03 RSP-NAME-031	**X(8) DISPLAY**	Response name.
03 RSP-AID-031	**X(1) DISPLAY**	AID byte for the control key that initiates the response at runtime.
03 RSP-SEC-CLASS-031	**X(8) BIT**	Security class.
03 RSP-DESCRIPTION-031	**X(28) DISPLAY**	Response description.
03 RSP-RESP-TYPE-031	**X(1) DISPLAY**	Response type. If this field contains the character G, the response is global. If this field contains the character L, the response is local.

Field	Picture	Description
03 RSP-CTRL-COMMAND-031	**X(1)** **DISPLAY**	CA-ADS control command used to pass control to the function invoked by the response. C'I' INVOKE C'T' TRANSFER C'R' RETURN C'L' LINK C' ' System-specified command
02 FILLER	**X(4)** **DISPLAY**	

3.79 MODULE-067

Description: Occurrences of the MODULE-067 record type represent modules, qfiles, edit and code tables, CA-ADS processes and application functions.

Record length: 164

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS application compiler, CA-OLQ

Owner of: MODNEST-EXPL, MODNEST-IMPL, MODULE-ACCESS, MODULE-MODATTR, MODULE-MODCMT, MODULE-MODLST, MODULE-SYSMOD, MODULE-TEXT, MODULE-USERMOD

Member of: OOAK-MODULE

Location mode: CALC using MOD-NAME-067

Within area: DDLDML

Field	Picture	Description
02 MOD-NAME-067	**X(32)** **DISPLAY**	Module name. For CA-ADS application functions, this field identifies both the application and the function: ■ Bytes 1 through 8 contain the application name. ■ Byte 9 contains a hyphen (-). ■ The contents of bytes 10 through 32 vary depending on the function type: – For dialog functions, bytes 10 through 17 contain the function name and bytes 18 through 32 contain blanks. – For menu functions, menu dialog functions, and user program functions, bytes 10 through 17 contain the function name, byte 18 contains a hyphen (-), and bytes 19 through 32 contain the function type (MENU, MEN/DL, or PGM).

Field	Picture	Description
02 MOD-NAME-067 *continued*		■ For system functions, bytes 10 through 17 contain the literal SYSTEM, byte 18 contains a hyphen (-), and bytes 19 through 32 contain the function name (for example, POP or SIGNON).
		■ For internal functions, bytes 10 through 17 contain the literal INTERNAL, byte 18 contains a hyphen (-), and bytes 19 through 32 contain the literal RESPONSES.
		■ For the MODULE-067 occurrence created to anchor the set of responses defined for an application, bytes 10 through 17 contain the literal RESPONSE, byte 18 contains a hyphen (-), and bytes 19 through 32 contain the literal ANCHOR. The MODNEST-EXPL set owned by the MODULE-067 occurrence includes one MODNEST-031 occurrence for each response defined for the application.
02 FUNC-GROUP-067	**DISPLAY REDEFINES MOD-NAME-067**	Redefinitions of the MOD-NAME-067 field for MODULE-067 occurrences that represent CA-ADS application functions.
03 FUNC-GROUP1-067	**DISPLAY**	
04 FILLER	**X(9) DISPLAY**	
04 FUNC-NAME-IP-067	**X(23) DISPLAY**	Bytes 10 through 32 of MOD-NAME-067; see the description of MOD-NAME-067 above for the contents of this field.
03 FUNC-GROUP2-067	**DISPLAY REDEFINES FUNC-GROUP1-067**	
04 FILLER	**X(9) DISPLAY**	
04 FUNC-REG-NAME-067	**X(8) DISPLAY**	Bytes 10 through 17 of MOD-NAME-067; see the description of MOD-NAME-067 above for the contents of this field.
04 FILLER	**X(1) DISPLAY**	

Field	Picture	Description
04 FUNC-SYS-NAME-067	X(8) DISPLAY	Bytes 19 through 26 of MOD-NAME-067; see the description of MOD-NAME-067 above for the contents of this field.
04 FILLER	X(6) DISPLAY	
03 FUNC-GROUP3-067	DISPLAY REDEFINES FUNC- GROUP1-067	
04 FILLER	X(18) DISPLAY	
04 FUNCTYP-067	X(6) DISPLAY	Bytes 19 through 24 of MOD-NAME-067; see the description of MOD-NAME-067 above for the contents of this field.
04 FILLER	X(8) DISPLAY	
02 MOD-VER-067	S9(4) COMP SYNC	Module version number.
02 DATE-LU-067	X(8) DISPLAY	Date last updated.
02 DESCR-067	X(40) DISPLAY	Module description.
02 BUILDER-067	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 DATE-CREATED-067	X(8) DISPLAY	Date established.
02 PREP-BY-067	X(8) DISPLAY	User who added the module.
02 REV-BY-067	X(8) DISPLAY	User who last updated the module.
02 LANG-067	X(40) DISPLAY	Language associated with the module. For CA-ADS application functions, the language is FUNCTION. For CA-ADS process modules, the language is PROCESS.
02 TIME-LU-067	X(8) DISPLAY	Time last updated.
02 PUB-ACCESS-FLAG-067	X(8) BIT	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)

Field	Picture	Description
02 FLAG-067	**X(1)** **DISPLAY**	CA-OLQ qfile access flag: ' ' — Access is OLQ 'X' — Access is IDMS SQL
02 FILLER	**X(1)** **DISPLAY**	
02 USER-COUNT-067	**S9(4) COMP** **SYNC**	Count of users registered for all.
02 FILLER	**X(4)** **DISPLAY**	

3.80 MSG-LINE-144

Description: Occurrences of the MSG-LINE-144 record type are used to store message text and message routing information. Each MSG-LINE-144 occurrence contains one line of message text.

Record length: 156

Established by: IDD DDDL compiler

Member of: MESSAGE-MSGLINE

Location mode: VIA set MESSAGE-MSGLINE

Within area: DDLDCMSG

Field	Picture	Description
02 CMT-ID-144	**S9(8) COMP SYNC**	Message line number.
02 MDRDEST-144	**BIT**	Destination flag bytes.
03 MDRDEST1-144	**X(8) BIT**	Message destination flag.
		X'80' — Destination DC LOG X'40' — Destination operator X'20' — Destination user X'10' — Destination from ID field
03 MDRDEST2-144	**X(8) BIT**	Message destination flag.
02 MDROSDSC-144	**X(2) DISPLAY**	Operator-message descriptor codes.
02 MDROSRTC-144	**X(2) DISPLAY**	Operator-message routing codes.
02 MDRDSTID-144	**X(8) DISPLAY**	Identifier of the terminal to which the message line is routed when MSG-DST-DID-144 is set (equal to 1).
02 MDRSEVCD-144	**X(1) DISPLAY**	Severity level.
02 FILLER	**X(1) DISPLAY**	
02 MDRTEXTL-144	**S9(4) COMP SYNC**	Length, in bytes, of the message text line contained in the MSG-144 field.

Field	Picture	Description
02 MSG-144	**X(66)** **DISPLAY** **OCCURS 2** **TIMES**	Message text line.
02 FILLER	**X(2)** **DISPLAY**	

3.81 MSGCMT-146

Description: MSGCMT-146 is the comment record associated with the LINE-109 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: MESSAGE-MSGCMT

Location mode: VIA set MESSAGE-MSGCMT

Within area: DDLDCMSG

Field	Picture	Description
02 IDD-SEQ-146	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-146	**DISPLAY**	
03 CMT-INFO-146	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-146	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.82 NAMEDES-186

Description: NAMEDES-186 is the comment record associated with the NAMESYN-083 record type. Occurrences of the NAMEDES-186 record type are used only to store INDEX KEY and INDEXED BY information for record element synonyms.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler, schema compiler, subschema compiler

Member of: NAMESYN-NAMEDES

Location mode: VIA set NAMESYN-NAMEDES

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-186	S9(8) COMP SYNC	Comment line sequence number.
02 CMT-186	DISPLAY	
03 CMT-INFO-186	X(50) DISPLAY OCCURS 2 TIMES	Line of comment text.
02 VALS-186	DISPLAY REDEFINES CMT-186	Redefinition of the CMT-186 field.
03 VAL-LGTH1-186	S9(4) COMP SYNC	Length of the first value, including quotes.
03 VAL-LGTH2-186	S9(4) COMP SYNC	Length of the second value, including quotes. If this field contains -1, there is no second value.
03 VAL-TEXT-186	DISPLAY	
04 VAL1-186	X(34) DISPLAY	
04 VAL2-186	X(34) DISPLAY	
02 IX-KEY-INFO-186	DISPLAY REDEFINES CMT-156	Redefines of the CMT-186 field

Field	Picture	Description
03 IX-NAME-186	**X(32) DISPLAY**	INDEX KEY or INDEXED BY element name
03 FILLER	**X(6) DISPLAY**	
03 ISEQ-186	**X(1) DISPLAY**	Sorting sequence for NAMEDES-186 occurrences that describe an index key. If no sorting sequence was specified, this field will contain a blank.
88 ISEQ-ASC-186	**COND VALUE 'A'**	
88 ISEQ-DES-186	**COND VALUE 'D'**	
88 ISEQ-NONE-186	**COND VALUE ' '**	
03 FILLER	**X(61) DISPLAY**	
02 CMT-ID-186	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.83 NAMESYN-083

Description: NAMESYN-083 is a junction record that relates an element synonym to a record synonym. Each NAMESYN-083 occurrence represents a record element synonym. For each record element defined in the dictionary, a NAMESYN-083 occurrence is created for each record synonym name (including the primary record synonym name) associated with the record in which the element participates.

Record length: 140

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, subschema compiler, ASF

Owner of: NAMESYN-MAPFLD, NAMESYN-NAMEDES

Member of: ELEMSYN-NAMESYN, RCDSYN-NAMESYN, SDR-NAMESYN

Location mode: VIA set RCDSYN-NAMESYN

Within area: DDLDML

Field	Picture	Description
02 SYN-NAME-083	**X(32) DISPLAY**	Record element synonym name.
02 RDF-NAM-083	**X(32) DISPLAY**	Name of the element, if any, that the record element redefines.
02 DEPEND-ON-083	**X(32) DISPLAY**	Name of the control element, if any, that determines the number of times the record element will occur.
02 NAMESYN-FLAG-083	**X(8) BIT**	Name synonym flag. The value in this field is X'20' if NAMESYN-083 owns a NAMEDES-186 occurrence containing INDEXED BY information. The value in this field is X'10' if NAMESYN-083 owns a NAMEDES-186 occurrence containing INDEX KEY information.
02 FILLER	**X(7) DISPLAY**	
02 DR-LPOS-083	**S9(4) COMP SYNC**	Leftmost position of the record element within the record. For subschema views, this field indicates the leftmost position of the element within the view.

Field	Picture	Description
02 BUILDER-083	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(33)** **DISPLAY**	

3.84 OOAK-012

Description: OOAK-012 is the one-of-a-kind record for the DDLDML area of the dictionary. Only one OOAK-012 occurrence is stored in the dictionary; typically, the occurrence is established by the IDMSDDDL utility. Once established, the OOAK-012 occurrence can be updated only by the IDD DDDL compiler. The OOAK-012 occurrence contains the default processing options used by CA-IDMS system software components. Because the OOAK-012 occurrence owns all major entity occurrences in the DDLDML area, CA-CULPRIT can produce a report on the entire area in one pass.

Record length: 244

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, schema compiler

Owner of: OOAK-CLASS, OOAK-DCDEVICES, OOAK-DEST, OOAK-INQ, OOAK-LINE, OOAK-LTRM, OOAK-MAP, OOAK-MODULE, OOAK-PANEL, OOAK-PROG, OOAK-PTRM, OOAK-QUEUE, OOAK-S, OOAK-OOAKEXT, OOAK-SR, OOAK-SYS, OOAK-TASK, OOAK-USER

Location mode: CALC using OOAK-KEY-012

Within area: DDLDML

Field	Picture	Description
02 OOAK-KEY-012	**X(4) DISPLAY VALUE 'OOAK'**	CALC key.
02 LEVEL-GRP-012	**DISPLAY**	Default level numbers to be used for record elements when building records in the dictionary. This field can contain up to 48 level numbers.
03 LEVEL-NBR-012	**9(2) DISPLAY OCCURS 48 TIMES**	Level number.
02 QUOTE-012	**X(1) DISPLAY**	Site-standard quotation character.
02 INIT-VER-012	**99V9 DISPLAY**	Initial version number. This field indicates the version of IDD under which the dictionary was created.
02 DATE-CREATED-012	**X(8) DISPLAY**	Date established.

Field	Picture	Description
02 DATE-LU-012	**X(8)** **DISPLAY**	Date last updated.
02 OLQ-SECURITY-012	**X(1)** **DISPLAY**	CA-OLQ security flag. If this field contains the character X, CA-OLQ security is enabled. If this field contains a blank, CA-OLQ security is disabled.
02 CULPRIT-SECURITY-012	**X(1)** **DISPLAY**	CA-CULPRIT security flag. If this field contains the character X, CA-CULPRIT security is enabled. If this field contains a blank, CA-CULPRIT security is disabled.
02 IDD-SECURITY-012	**X(1)** **DISPLAY**	IDD security flag. If this field contains the character X, IDD security is enabled. If this field contains a blank, IDD security is disabled.
02 IDD-SIGNON-SECURITY-012	**X(1)** **DISPLAY**	IDD signon security flag. If this field contains the character X, IDD signon security is enabled. If this field contains a blank, IDD signon security is disabled.
02 IDMSDC-SECURITY-012	**X(1)** **DISPLAY**	CA-IDMS/DC security flag. If this field contains the character X, CA-IDMS/DC security is enabled. If this field contains a blank, CA-IDMS/DC security is disabled.
02 CLASS-ATTRIBUTE-SECURITY-012	**X(1)** **DISPLAY**	Class/attribute security flag. If this field contains the character X, class/attribute security is enabled. If this field contains a blank, class/attribute security is disabled.
02 CULPRIT-AUTO-ATTRIBUTES-012	**X(1)** **DISPLAY**	CA-CULPRIT automatic attributes flag. If this field contains the character X, CA-CULPRIT copies file definitions from the dictionary at runtime. If this field contains a blank, CA-CULPRIT does not copy file definitions from the dictionary at runtime.
02 LOAD-MODULE-SECURITY-012	**X(1)** **DISPLAY**	Load module security flag. If this field contains the character X, load module security is enabled. If this field contains a blank, load module security is disabled.
02 ADS-SECURITY-012	**X(1)** **DISPLAY**	CA-ADS security flag. If this field contains the character X, CA-ADS security is enabled. If this field contains a blank, CA-ADS security is disabled.

Field	Picture	Description
02 SELF-PASSWORD-SECURITY-012	X(1) DISPLAY	Password security flag. If this field contains the character X, users can modify their own passwords. If this field contains a blank, users without the applicable authority cannot modify their own passwords.
02 INTERRUPT-SECURITY-012	X(1) DISPLAY	DISPLAY ALL LIMIT interrupt security. If this field contains the character X, DISPLAY ALL commands will be subjected to enforcement of the DISPLAY ALL limit. If this field is blank, DISPLAY ALL commands will not be subjected to enforcement of the DISPLAY ALL limit.
02 CENTRAL-SECURITY-012	X(1) DISPLAY	Centralized security in effect for the dictionary.
02 DEFAULT-NEW-VER-012	S9(4) COMP SYNC	Default version number for new entity occurrences.
02 DEFAULT-OLD-VER-012	S9(4) COMP SYNC	Default version number for existing entity occurrences.
02 ALT-PIC-CODE-012	X(16) DISPLAY OCCURS 4 TIMES	Keywords for the first, second, third, and fourth alternate picture formats.
02 GLOBAL1-012	X(1) DISPLAY	Unused.
02 GLOBAL2-012	X(1) DISPLAY	Element deletion flag. If this field contains the character X, an element is deleted when the only record occurrence in which the element participates is deleted. If this field contains a blank, elements are not deleted when the only record occurrence in which they participate is deleted.
02 GLOBAL3-012	X(1) DISPLAY	Default flag. If this field contains the character X, ADD statements that identify existing entity occurrences are interpreted as MODIFY statements. If this field contains a blank, ADD statements that identify existing entity occurrences are rejected.
02 GLOBAL4-012	X(1) DISPLAY	Reserved.
02 IDD-SEQ-012	S9(8) COMP SYNC	Default sequence number. The value in this field is the default for both the initial value and the increment value for line numbers associated with comment text, module source, and record elements.

Field	Picture	Description
02 BEFORE-012	**X(1)** **DISPLAY**	Before flag. If this field contains the character X, text to be erased or replaced by an EDIT parameter is listed before the instruction is executed. If this field contains a blank, text to be erased or replaced by an EDIT parameter is not listed before the instruction is executed.
02 AFTER-012	**X(1)** **DISPLAY**	After flag. If this field contains the character X, new text to be inserted or replaced by an EDIT parameter is listed after the instruction is executed. If this field contains a blank, new text to be inserted or replaced by an EDIT parameter is not listed after the instruction is executed.
02 RESEQ-012	**X(1)** **DISPLAY**	Resequence flag. If this field contains the character X, line numbers are resequenced after the execution of EDIT parameter instructions. If this field contains a blank, line numbers are not resequenced after the execution of EDIT parameter instructions.
02 COMP-AUTH-012	**X(1)** **DISPLAY**	DML precompiler authorization flag. If this field contains the character X, the DML precompilers will accept only programs that are defined in the dictionary (that is, programs for which a PROG-051 occurrence exists). If this field contains a blank, the DML precompilers will accept any program.
02 PREP-AUTH-012	**X(1)** **DISPLAY**	Reserved. This field is initialized to low values.
02 REV-AUTH-012	**X(1)** **DISPLAY**	Reserved. This field is initialized to low values.
02 SECURITY-012	**X(1)** **DISPLAY**	CA-IDMS/DB security flag. If this field contains the character X, CA-IDMS/DB security is enabled. If this field contains a blank, CA-IDMS/DB security is disabled.
02 DEC-PT-COMMA-012	**X(1)** **DISPLAY**	Decimal point flag. If this field contains the character X, the decimal point is represented by a comma (,). If this field contains a blank, the decimal point is represented by a period (.).
02 EOF-MARKER-012	**X(2)** **DISPLAY**	Site-standard end-of-file (EOF) indicator.

Field	Picture	Description
INTERRUPT-COUNT-012	**S9(4) COMP SYNC**	DISPLAY ALL interrupt count. If INTERRUPT-SECURITY-012 contains the character X, this field contains the maximum number of records that can be read in response to a DISPLAY ALL request. If this field contains 0, a DISPLAY ALL request is disallowed.
MSGS-LOC-012	**X(1) DISPLAY**	Messages from the dictionary.
USER-OVERRIDE-012	**X(1) DISPLAY**	User override indicator. If this field contains the character X, user override of the signon ID/password is allowed. If this field is blank, user override of the signon ID/password is not allowed.
ALT-EOS-012	**X(1) DISPLAY**	Alternate end-of-sentence indicator. If this field contains the character X, dictionary compilers acknowledge either a period or a semicolon as the end-of-sentence delimiter. If this field is blank, a semicolon is processed as a standard delimiter and is not recognized as the end of sentence.
02 FILLER	**X(21) DISPLAY**	

3.85 OOAKEXT-078

Description: OOAKEXT-078 is the extension to the OOAK-012 record. It contains additional dictionary-level options.

Record length: 100

Established by: (See OOAK-012.)

Member of: OOAK-OOAKEXT

Location mode: VIA set OOAK-OOAKEXT

Within area: DDLDML

Field	Picture	Description
02 FILLER	**X(100)** **DISPLAY**	

3.86 PANEL-118

Description: Occurrences of the PANEL-118 record type represent panels.

Record length: 128

Established by: IDD DDDL compiler, ASF, CA-IDMS/DC mapping compilers

Owner of: PANEL-MAP, PANEL-PANELATTR, PANEL-PANELCMT, PANEL-PANELFLD, PANEL-USERPANEL

Member of: OOAK-PANEL

Location mode: CALC using PANEL-NAME-118

Within area: DDLDML

Field	Picture	Description
02 PANEL-NAME-118	X(32) DISPLAY	Panel name.
02 PANEL-VER-118	S9(4) COMP SYNC	Panel version number.
02 BUILDER-118	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PANEL-DEVICES-118	X(8) BIT	Bit flags indicating the device types with which the panel can be used. X'80' Screen size 12 by 40 X'40' Screen size 12 by 80 X'20' Screen size 24 by 80 X'10' Screen size 32 by 80 X'08' Screen size 43 by 80 X'04' Line-by-line device X'02' Screen size 27 by 132
02 PAN-DEVGRPS-118	X(10) DISPLAY	Device group table. This field is used internally by the CA-IDMS/DC mapping compilers to determine the groupings of devices for panel fields. Each byte of this field contains a device grouping.
02 DESCR-118	X(40) DISPLAY	Panel description.
02 PREP-BY-118	X(8) DISPLAY	User who added the panel.
02 REV-BY-118	X(8) DISPLAY	User who last updated the panel.

Field	Picture	Description
02 DATE-LU-118	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-118	**X(8) DISPLAY**	Date established.
02 PANEL-FLAG1-118	**X(8) BIT**	Error flag. X'80' — Panel contains errors
02 PUB-ACCESS-FLAG-118	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(2) DISPLAY**	
02 USER-COUNT-118	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(4) DISPLAY**	

3.87 PANELATTR-120

Description: PANELATTR-120 is the attribute junction record for the PANEL-118 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, PANEL-PANELATTR

Location mode: VIA set PANEL-PANELATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-120	**X(40) DISPLAY**	User-supplied junction text.

3.88 PANELCMT-119

Description: PANELCMT-119 is the comment record associated with the PANEL-118 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: PANEL-PANELCMT

Location mode: VIA set PANEL-PANELCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-119	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-119	**DISPLAY**	
03 CMT-INFO-119	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-119	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.89 PANELFLD-121

Description: Occurrences of the PANELFLD-121 record type represent panel fields.

Record length: 40

Established by: CA-IDMS/DC mapping compilers

Owner of: PANELFLD-MAPFLD, PANELFLD-PFLD

Member of: PANEL-PANELFLD

Location mode: VIA set PANEL-PANELFLD

Within area: DDLDML

Field	Picture	Description
02 PFLNAME-121	**X(32) DISPLAY**	Panel field name.
02 PFLTOTLN-121	**S9(4) COMP SYNC**	Total length of the device-dependent tables stored in the PFLD-DATA-147 occurrences owned by the PANELFLD-121 occurrence.
02 PFLOCCUR-121	**S9(4) COMP SYNC**	Number of times the panel field occurs.
02 PFLFIELD-FLAG-121	**X(8) BIT**	Panel field flag. X'80' — Panel field is a literal
02 PFLDEVCT-121	**X(8) BIT**	Number of device groupings defined for the panel field.
02 PFLPAGE-FLAG-121	**X(8) BIT**	Pageable map flag. X'80' — Start of both the detail area and a detail occurrence X'40' — End of a detail occurrence X'80' + X'40' — Detail occurrence only X'20' — Start of the footer area X'80' + X'40' + X'20' — All paging bits

3.90 PATHDEF-192

Description: The PATHDEF-192 record type is used to store path definitions for verbs associated with logical records. Four types of PATHDEF-192 records occur:

- **Count** — The count type PATHDEF-192 contains various count fields that are used to estimate the amount of space required for the subschema tables. One count type PATHDEF-192 occurrence is created for each path defined for a verb.

- **Descriptor** — The descriptor type PATHDEF-192 contains the selection criteria specified by the SELECT clause of a path definition. One or more descriptor type PATHDEF-192 occurrences are created for each path defined for a verb; each occurrence contains up to six selectors.

- **DML** — Each DML type PATHDEF-192 occurrence contains information on one DML verb or ON clause included in a path definition. As many DML type occurrences as are necessary are created for each path defined for a verb.

- **Criteria** — Each criteria type PATHDEF-192 occurrence contains one literal from the WHERE clause of a DML verb included in a path definition. As many criteria type occurrences as are necessary are created for each DML verb included in a path definition.

Record length: 408

Established by: Subschema compiler

Member of: LRVERB-PATHDEF

Location mode: VIA set LRVERB-PATHDEF

Within area: DDLDML

Field	Picture	Description
02 TYP-192	**S9(4) COMP SYNC**	PATHDEF-192 type. See the description of each type above.
88 COUNT-TYP-192	**COND VALUE +0**	
88 DESCR-TYP-192	**COND VALUE +1**	
88 DML-TYP-192	**COND VALUE +2**	
88 CRIT-TYP-192	**COND VALUE +3**	
02 LENGTH-192	**S9(4) COMP SYNC**	Reserved.

Field	Picture	Description
02 DEF-192	**X(398) DISPLAY**	Path definition.
02 SS-COUNTS-192	**DISPLAY REDEFINES DEF-192**	Redefinition of the DEF-192 field for count type PATHDEF-192 occurrences (that is, occurrences in which the TYP-192 field contains +0).
03 SL-COUNT-192	**S9(8) COMP SYNC**	Total number of selectors specified for the path.
03 SD-COUNT-192	**S9(8) COMP SYNC**	Number of SD82 blocks required for the selection criteria in the subschema table.
03 PS-COUNT-192	**S9(8) COMP SYNC**	Number of PS83 blocks required for the selection criteria in the subschema table.
03 XD1-COUNT-192	**S9(8) COMP SYNC**	Number of XD84 blocks required for the selection criteria in the subschema table.
03 XD2-COUNT-192	**S9(8) COMP SYNC**	Reserved.
03 FILLER	**X(378) DISPLAY**	
02 DESCRIP-192	**DISPLAY REDEFINES DEF-192**	Redefinition of the DEF-192 field for descriptor type PATHDEF-192 occurrences (that is, occurrences in which the TYP-192 field contains +1).
03 D-ENTRIES-192	**S9(4) COMP SYNC**	Number of entries in the following selector list. If the value in this field is greater than 6, additional descriptor type PATHDEF-192 occurrences will contain the additional entries in groups of 6; the D-ENTRIES-192 field in each additional occurrence will contain 0. For example, if 13 selectors are identified for a path definition, 3 descriptor type PATHDEF-192 occurrences will be created. The first occurrence will store 6 selectors; the D-ENTRIES-192 field will contain 13. The second occurrence will store 6 selectors; the D-ENTRIES-192 field will contain 0. The third occurrence will store 1 selector; the D-ENTRIES-192 field will contain 0.
03 D-TABLE-192	**DISPLAY OCCURS 6 TIMES**	Selector list entries.
04 D-TYPE-192	**S9(4) COMP SYNC**	Selector type.

Field	Picture	Description
88 D-TYP-KEYW-192	COND VALUE +1	KEYWORD.
88 D-TYP-FLDE-192	COND VALUE +2	FIELDNAME-EQ
88 D-TYP-FLD-192	COND VALUE +3	FIELDNAME
88 D-TYP-ELEM-192	COND VALUE +4	ELEMENT
88 D-TYP-INDEX-192	COND VALUE +5	USING INDEX
04 D-RNAM-192	X(32) DISPLAY	Logical record element name for FIELDNAME-EQ, FIELDNAME, and ELEMENT type selectors. For KEYWORD and USING INDEX type selectors, this field contains blanks.
04 D-VALUE-192	X(32) DISPLAY	Keyword for KEYWORD type selectors; field name for FIELDNAME-EQ and FIELDNAME type selectors; index name for USING INDEX type selectors. For ELEMENT type selectors, this field contains blanks.
02 DML-192	DISPLAY REDEFINES DEF-192	Redefinition of the DEF-192 field for DML type PATHDEF-192 occurrences (that is, occurrences in which the TYP-192 field contains +2).
03 M-STMT-NO-192	S9(4) COMP SYNC	Relative statement number within the path definition.
03 M-NEST-LVL-192	S9(4) COMP SYNC	DO/END nesting level within the path definition.
03 M-STMT-TYP-192	S9(1) DISPLAY	Statement type.
88 M-TYPE-ON-192	COND VALUE +1	ON clause.
88 M-TYPE-DML-192	COND VALUE +2	DML verb.
88 M-TYPE-CLR-192	COND VALUE +3	CLEAR list in ON clause.
03 M-ONDEF-192	DISPLAY	ON clause information.

Field	Picture	Description
04 MO-ACTON-192	**S9(1)** **DISPLAY**	Action to be taken if the ON condition is true. +1 NEXT +2 ITERATE +3 RETURN +4 RETURN CLEAR +5 DO +6 CLEAR LIST +7 CLEAR ALL EXCEPT LIST
88 MO-NEXT-192	**COND** **VALUE +1**	
88 MO-ITER-192	**COND** **VALUE +2**	
88 MO-RET-192	**COND** **VALUE +3**	
88 MO-RETCL-192	**COND** **VALUE +4**	
88 MO-DO-192	**COND** **VALUE +5**	
88 MO-CLR-LST-192	**COND** **VALUE +6**	
88 MO-CLR-ALL-192	**COND** **VALUE +7**	
04 MO-ERRSTA-192	**X(4)** **DISPLAY**	Error status specified in the WHERE clause.
04 MO-STATUS-192	**X(16)** **DISPLAY**	Path status to be returned to the program if the action indicated by MO-ACTON-192 is RETURN (+4) or RETURN CLEAR (+5).
04 MO-NML-192	**S9(4) COMP** **SYNC**	Number of list elements when MO-ACTON-192 equals 6 or 7. If greater than 11, another record will contain the next part or final part of the list.
04 MO-NAMES-192	**X(352)** **DISPLAY**	Names of elements.
03 M-DMLDEF-192	**DISPLAY** **REDEFINES** **M-ONDEF-** **192**	DML verb information.
04 FILLER	**X(1)** **DISPLAY**	

Field	Picture	Description
04 MD-VERB-192	**S9(4) COMP SYNC**	DML verb number.
04 MD-FLAG-192	**S9(4) COMP SYNC**	Flag byte indicating specified parameters. Combinations of the flags can occur.
88 MD-OBTN-192	**COND VALUE +1**	OBTAIN
88 MD-KEEP-192	**COND VALUE +2**	KEEP
88 MD-KEEPX-192	**COND VALUE +4**	KEEP EXCLUSIVE
88 MD-EACH-192	**COND VALUE +8**	EACH
04 MD-NAME1-192	**X(16) DISPLAY**	First record, set, or area name.
04 MD-NAME2-192	**X(16) DISPLAY**	Second record, set, or area name.
04 FILLER	**X(338) DISPLAY**	
03 FILLER	**X(18) DISPLAY**	
02 CRIT-192	**DISPLAY REDEFINES DEF-192**	Redefinition of the DEF-192 field for criteria type PATHDEF-192 occurrences (that is, occurrences in which the TYP-192 field contains +3).
03 C-LITLEN-192	**S9(4) COMP SYNC**	Length of the literal.
03 C-LIT-192	**X(396) DISPLAY**	Literal.
02 FILLER	**X(6) DISPLAY**	

3.91 PFLD-DATA-147

Description: PFLD-DATA-147 is a logical extension of the PANELFLD-121 record type. PFLD-DATA-147 occurrences contain the device-dependent tables for panel fields. Each PFLD-DATA-147 occurrence can contain up to 256 bytes of a device-dependent table. As many PFLD-DATA-147 occurrences as are necessary are stored for each panel field. For the layout of each entry in a device-dependent table, refer to the DSECT for the panel field area (#PFLDS) in the *CA-IDMS DSECT Reference*.

Record length: 256

Established by: CA-IDMS/DC mapping compilers

Member of: PANELFLD-PFLD

Location mode: VIA set PANELFLD-PFLD

Within area: DDLDML

Field	Picture	Description
02 PFLD-147	**X(32) DISPLAY OCCURS 8 TIMES**	Device-dependent table entries.

3.92 PROG-051

Description: Occurrences of the PROG-051 record type represent CA-IDMS/DB and CA-IDMS/DC programs, CA-ADS dialogs, CA-ADS/Batch transactions, non-database programs, entry points, subschemas, maps, and edit and code tables.

Record length: 156

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, subschema compiler, ASF, DML precompilers, CA-IDMS/DC mapping compilers, CA-ADS application compiler, CA-ADS dialog compiler

Owner of: PROG-AFACT, PROG-ELEMACT, PROG-LRACT, PROG-MODLST, PROG-PROGATTR, PROG-PROGCMT, PROG-PROGLST, PROG-PROGMAP, PROG-RCDACT, PROG-RCDCOPY, PROG-SETACT, PROG-SSPROG, PROG-USERPROG, PROGNEST-EXPL, PROGNEST-IMPL

Member of: OOAK-PROG

Location mode: CALC using PROG-NAME-051

Within area: DDLDML

Field	Picture	Description
02 PROG-NAME-051	**X(8) DISPLAY**	Program name.
02 PROG-VER-051	**S9(4) COMP SYNC**	Program version number. The version number for an entry point is always 1.
02 BUILDER-051	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ENTRY-051	**X(1) DISPLAY**	Entry point flag. If this field contains the character E, the PROG-051 occurrence represents an entry point. If this field contains a blank, the PROG-051 occurrence does not represent an entry point.
02 DESCR-051	**X(40) DISPLAY**	Program description.
02 DATE-LU-051	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-051	**X(8) DISPLAY**	Date established.
02 PREP-BY-051	**X(8) DISPLAY**	User who added the program.

Field	Picture	Description
02 REV-BY-051	**X(8) DISPLAY**	User who last updated the program.
02 PROG-DATE-051	**X(8) DISPLAY**	Date on which the program was last compiled (*mm/dd/yy*). This field is maintained only by the DML precompilers. This field will contain blanks if the program has never been submitted to a DML precompiler.
02 EST-LINES-051	**S9(8) COMP SYNC**	Estimated number of source lines in the program. The DML precompilers update this field with the number of cards punched when the program is processed; the resulting count is accurate unless the program contains host-language COPY or INCLUDE instructions.
02 ISA-SIZE-051	**S9(8) COMP SYNC**	Initial storage area size.
02 COUNT-051	**S9(4) COMP SYNC**	Number of times the program has been compiled by a DML precompiler. For PROG-051 occurrences that represent CA-ADS dialogs, this field indicates the number of times the dialog has been generated.
02 DUMP-THRESH-051	**X(8) BIT**	Dump threshold.
02 ERR-THRESH-051	**X(8) BIT**	Error threshold.
02 FILLER	**X(1) DISPLAY**	
02 PROG-FLAG1-051	**X(8) BIT**	X'80' — Language is COBOL X'40' — Language is ASSEMBLER X'20' — Language is PL/I X'10' — Language is ADS X'01' — Program is a CA-ADS application
02 PROG-FLAG2-051	**X(8) BIT**	X'80' — Savearea automatically acquired X'40' — Resident X'20' — Concurrent X'10' — Disable X'08' — Reuseable X'04' — Storage protection enabled X'02' — Reentrant X'01' — Quasi- reentrant

Field	Picture	Description
02 PROG-FLAG3-051	**X(8) BIT**	X'80' — Overlayable X'40' — Subschema X'22' — Map help table X'20' — Map X'10' — Mainline dialog X'08' — New copy disabled X'04' — CA-ADS dialog X'02' — Edit or code table X'01' — Loadable from the dictionary
02 ADS-SEQ-NUM-051	**S9(8) COMP SYNC**	CA-ADS/Batch sequence number.
02 PUB-ACCESS-FLAG-051	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PROG-FLAG4-051	**X(8) BIT**	X'80' — CA-ADS dialog statistics on X'40' — Access module X'20' — RCM X'10' — Menu (mainline) X'08' — Program is checked out. X'04' — MPMODE is any X'02' — Dictionary name is system-default X'01' — Multiple versions are not allowed
02 USER-COUNT-051	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(40) DISPLAY**	

3.93 PROGATTR-065

Description: PROGATTR-065 is the attribute junction record for the PROG-051 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler, DML precompilers

Member of: ATTR-JCT, PROG-PROGATTR

Location mode: VIA set PROG-PROGATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-065	**X(40)** **DISPLAY**	User-supplied junction text.

3.94 PROGCMT-050

Description: PROGCMT-050 is the comment record associated with the PROG-051 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS dialog compiler

Member of: PROG-PROGCMT

Location mode: VIA set PROG-PROGCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-050	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-050	**DISPLAY**	
03 CMT-INFO-050	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text. The CA-ADS dialog compiler uses the first nine bytes of this field to record dialog options: ■ **First byte** — AUTOSTATUS indicator. If this byte contains the character A, the AUTOSTATUS facility is used. If this byte contains a blank, the AUTOSTATUS facility is not used. ■ **Second byte** — Activity logging indicator. If this byte contains the character L, activity logging is performed. If this byte contains a blank, activity logging is not performed. ■ **Third byte** — Paging option indicator. The value in this byte indicates the runtime flow of control when the user presses a control key: C'N' NOWAIT C'W' WAIT C'R' RETURN C' ' Dialog's map is not pageable

Field	Picture	Description
03 CMT-INFO-050 *continued*		▪ **Fourth byte** — Paging mode indicator. If this byte contains the character U, the user can modify map data fields during a paging session. If this byte contains a blank, the user cannot modify map data fields during a paging session.
		▪ **Fifth byte** — Backpage indicator. If this byte contains the character B, the user can display a previous map page during a paging session. If this byte contains a blank, the user cannot display a previous map page during a paging session.
		▪ **Sixth byte** — COBOL move indicator. If this byte contains the character C, COBOL rules are used when moving the result of an arithmetic or assignment command. If this byte contains a blank, CA-ADS rules are used when moving the result of an arithmetic or assignment command.

Field	Picture	Description
03 CMT-INFO-050 *continued*		■ **Seventh byte** — Symbol table indicator. If this byte contains the character S, the dialog is associated with a symbol table for use by the debugger. If this byte contains a blank, the dialog is not associated with a symbol table.
		■ **Eighth byte** — Executable code indicator. If this byte contains the character E, the dialog has executable code. If this byte contains a blank, the dialog has interpretable Command Elements (CMEs).
		■ **Ninth byte** — Diagnostic table indicator. If this byte contains the character D, a diagnostic table is maintained for the dialog. If this byte contains a blank, a diagnostic table is not maintained for the dialog.
		■ **Tenth Byte** — Dialog entry indicator. If this byte is blank, dialog entry is at premap. If this byte is n, dialog entry point is map.
		■ **Bytes 11-18** — Suspense file DDname (last byte will be ignored on a VSE/ESA system).
		■ **Nineteenth byte** — Retrieval lock indicator. When this byte is blank, retrieval lock is off. When this byte is l, retrieval lock is on.
		■ **Bytes 20 and 21** — This is a two byte message prefix.
		■ **Byte twenty-two** — Auto display-indicator. If this byte is blank, auto-display is off. If this byte is a, auto-display is on.
02 CMT-ID-050	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.95 PROGLST-049

Description: PROGLST-049 is a junction record that relates a program to a system in which the program participates. PROGLST-049 also relates a program to the tasks that invoke the program.

Record length: 96

Established by: IDD DDDL compiler, CA-IDMS system generation compiler, CA-ADS application compiler

Owner of: PROGLST-TASKLST

Member of: PROG-PROGLST, SYS-PROGLST

Location mode: VIA set SYS-PROGLST

Within area: DDLDML

Field	Picture	Description
02 PROG-NAME-049	**X(8) DISPLAY**	Program name.
02 BUILDER-049	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-049	**X(1) DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PROG-VER-049	**S9(4) COMP SYNC**	Program version number.
02 ISA-SIZE-049	**S9(8) COMP SYNC**	Initial storage area size.
02 ERR-THRESH-049	**X(8) BIT**	Error threshold.
02 DUMP-THRESH-049	**X(8) BIT**	Dump threshold.
02 FILLER	**X(1) DISPLAY**	
02 PROG-FLAG1-049	**X(8) BIT**	X'80' — Language is COBOL X'40' — Language is ASSEMBLER X'20' — Language is PL/I X'10' — Language is ADS X'01' — Program is a CA-ADS application

Field	Picture	Description
02 PROG-FLAG2-049	**X(8) BIT**	X'80' — Savearea automatically acquired X'40' — Resident X'20' — Concurrent X'10' — Disable X'08' — Reuseable X'04' — Storage protection enabled X'02' — Reentrant X'01' — Quasi- reentrant
02 PROG-FLAG3-049	**X(8) BIT**	X'80' — Overlayable X'40' — Subschema X'22' — Map help table X'20' — Map X'10' — Mainline dialog X'08' — New copy disabled X'04' — CA-ADS dialog X'02' — Edit or code table X'01' — Loadable from the dictionary
02 JCT-TEXT-049	**X(40) DISPLAY**	User-supplied junction text.
02 PROG-FLAG4-049	**X(8) BIT**	X'80' — CA-ADS dialog statistics on X'40' — Access module X'20' — RCM X'10' — Menu (mainline) X'04' — MPMODE is any X'02' — Dictionary name is system-default X'01' — Multiple versions are not allowed
02 FILLER	**X(33) DISPLAY**	

3.96 PROGMAP-126

Description: PROGMAP-126 is a junction record that relates a map to a program that uses the map.

Record length: 44

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS dialog compiler

Member of: MAP-PROGMAP, PROG-PROGMAP

Location mode: VIA set PROG-PROGMAP

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-126	**X(40)** **DISPLAY**	User-supplied junction text.
02 FILLER	**X(4)** **DISPLAY**	

3.97 PROGNEST-053

Description: PROGNEST-053 is the nesting junction record for the PROG-051 record type. Occurrences of the PROGNEST-053 record type relate programs to entry points as well as to other programs.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

The DML precompilers use PROGNEST-053 occurrences to log subprogram calls. When a COBOL program issues a dynamic call (that is, when the program passes control to a subprogram by identifying the variable that contains the subprogram name), the DML precompiler logs the call in a PROGNEST-053 occurrence that relates the calling program to a special PROG-051 occurrence with the program name DYNAMIC.

Record length: 52

Established by: IDD DDDL compiler, DML precompilers

Member of: PROGNEST-EXPL, PROGNEST-IMPL

Location mode: VIA set PROGNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-053	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-053	**X(40) DISPLAY**	User-supplied junction text.
02 CALL-COUNT-053	**S9(4) COMP SYNC**	Number of times the subprogram is called. This field is meaningful only when the nest code is -2, indicating a program-to-subprogram relationship.
02 FILLER	**X(6) DISPLAY**	

3.98 PTRM-074

Description: Occurrences of the PTRM-074 record type represent physical terminals.

Record length: 172

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: PTRM-PTRMATTR, PTRM-PTRMCMT, PTRM-PTRMLST, PTRM-USERPTRM

Member of: OOAK-PTRM

Location mode: CALC using PTRM-NAME-074

Within area: DDLDML

Field	Picture	Description
02 PTRM-NAME-074	X(8) DISPLAY	Physical terminal name.
02 PTRM-VER-074	S9(4) COMP SYNC	Physical terminal version number.
02 BUILDER-074	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(1) DISPLAY	
02 DESCR-074	X(40) DISPLAY	Physical terminal description.
02 DATE-LU-074	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-074	X(8) DISPLAY	Date established.
02 PREP-BY-074	X(8) DISPLAY	User who added the physical terminal.
02 REV-BY-074	X(8) DISPLAY	User who last updated the physical terminal.
02 LINE-NAME-074	X(8) DISPLAY	Name of the line with which the physical terminal is associated.

Field	Picture	Description
02 DEVICE-TYPE-074	**X(1) DISPLAY**	Physical terminal device type. The values for the physical terminal device types are listed in the Physical Terminal Element DSECT (#PTEDS) in the *CA-IDMS DSECT Reference*.
02 DEV-TYPE-074	**X(8) BIT REDEFINES DEVICE-TYPE-074**	Redefinition of the DEVICE-TYPE-074 field with usage BIT.
02 MAX-ERRORS-074	**X(8) BIT**	Maximum number of retries after a terminal I/O error.
02 PTRM-LNLNTH-074	**S9(4) COMP SYNC**	Line length, in characters, for the physical terminal.
02 PTRM-PGLNTH-074	**S9(4) COMP SYNC**	Page size, in lines, for the physical terminal.
02 LINE-VER-074	**S9(4) COMP SYNC**	Version number of the line with which the physical terminal is associated.
02 EXTENT-LNTH-074	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in EXTENSION-074.
02 PTRM-MODEL-074	**X(1) DISPLAY**	Physical terminal model number.
02 PTRM-FLAG-074	**X(8) BIT**	Physical terminal flag. X'80' — Disabled. X'40' — The DEST-074 field contains the name of a default printer destination. X'20' — Use of the read buffer function not supported. X'04' — 3280-type printer. X'02' — Formfeed supported. X'01' — ASCII supported.
02 PTRM-LNDEL-074	**X(1) DISPLAY**	Line deletion character for printer terminals.
02 PTRM-CHRDEL-074	**X(1) DISPLAY**	Character deletion character for printer terminals.
02 PTRM-CANCEL-074	**X(1) DISPLAY**	Unused.
02 PRINT-CLASS-074	**X(8) BIT**	Printer class.
02 EXTENSION-074	**X(32) DISPLAY**	Extension area for data fields specific to each physical terminal type.

Field	Picture	Description
02 DEST-074	**X(8) DISPLAY**	Default printer destination.
02 SCREEN-TYPE-074	**X(3) DISPLAY**	Name of the device independence table associated with the physical terminal.
02 TERM-TYPE-NAME-074	**X(8) DISPLAY**	Physical terminal device-type name.
02 PUB-ACCESS-FLAG-074	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PRINT-BUFF-SIZE-074	**X(2) DISPLAY**	Printer buffer size.
02 USER-COUNT-074	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(8) DISPLAY**	

3.99 PTRMATTR-129

Description: PTRMATTR-129 is the attribute junction record for the PTRM-074 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, PTRM-PTRMATTR

Location mode: VIA set PTRM-PTRMATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-129	**X(40) DISPLAY**	User-supplied junction text.

3.100 PTRMCMT-128

Description: PTRMCMT-128 is the comment record associated with the PTRM-074 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: PTRM-PTRMCMT

Location mode: VIA set PTRM-PTRMCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-128	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-128	**DISPLAY**	
03 CMT-INFO-128	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-128	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.101 PTRMLST-104

Description: PTRMLST-104 is the junction record that relates a physical terminal to a CA-IDMS/DC system in which the physical terminal participates. PTRMLST-104 also relates a physical terminal to the line with which it is associated and to the logical terminal with which it is associated.

Record length: 92

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: PTRMLST-LTRMLST

Member of: LINELST-PTRMLST, PTRM-PTRMLST, SYS-PTRMLST

Location mode: VIA set SYS-PTRMLST

Within area: DDLDML

Field	Picture	Description
02 PTRM-NAME-104	**X(8)** **DISPLAY**	Physical terminal name.
02 BUILDER-104	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-104	**X(1)** **DISPLAY**	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PTRM-VER-104	**S9(4) COMP** **SYNC**	Physical terminal version number.
02 DEVICE-TYPE-104	**X(1)** **DISPLAY**	Physical terminal device type. The values for the physical terminal device types are listed in the Physical Terminal Element DSECT (#PTEDS) in the *CA-IDMS DSECT Reference*.
02 DEV-TYPE-104	**X(8) BIT** **REDEFINES** **DEVICE-** **TYPE-104**	Redefinition of the DEVICE-TYPE-104 field with usage BIT.
02 MAX-ERRORS-104	**X(8) BIT**	Maximum number of retries after a terminal I/O error.
02 PTRM-LNLNTH-104	**S9(4) COMP** **SYNC**	Line length, in characters, for the physical terminal.
02 PTRM-PGLNTH-104	**S9(4) COMP** **SYNC**	Page size, in lines, for the physical terminal.

Field	Picture	Description
02 EXTENT-LNTH-104	**S9(4) COMP SYNC**	Length, in bytes, of the data contained in EXTENSION-104.
02 PTRM-MODEL-104	**X(1) DISPLAY**	Physical terminal model number.
02 PTRM-FLAG-104	**X(8) BIT**	Physical terminal flag. X'80' — Disabled. X'40' — The DEST-074 field contains the name of a default printer destination. X'20' — Use of the read buffer function not supported. X'04' — 3280-type printer. X'02' — Formfeed supported. X'01' — ASCII supported.
02 PTRM-LNDEL-104	**X(1) DISPLAY**	Line deletion character for printer terminals.
02 PTRM-CHRDEL-104	**X(1) DISPLAY**	Character deletion character for printer terminals.
02 PTRM-CANCEL-104	**X(1) DISPLAY**	Unused.
02 PRINT-CLASS-104	**X(8) BIT**	Printer class.
02 FILLER	**X(2) DISPLAY**	
02 EXTENSION-104	**X(32) DISPLAY**	Extension area for data fields specific to each physical terminal type.
02 DEST-104	**X(8) DISPLAY**	Default printer destination.
02 SCREEN-TYPE-104	**X(3) DISPLAY**	Name of the device independence table associated with the physical terminal.
02 TERM-TYPE-NAME-104	**X(8) DISPLAY**	Physical terminal device-type name.
02 PRINT-BUFF-SIZE-104	**X(2) DISPLAY**	Printer buffer size.
02 FILLER	**X(11) DISPLAY**	

3.102 QUEUE-DCQ-138

Description: Occurrences of the QUEUE-DCQ-138 record type represent CA-IDMS/DC runtime queues in the DDLDCRUN area; QUEUE-DCQ-138 is the queue header record. CA-IDMS/DC creates a queue header record when a program issues a DML PUT QUEUE command that names a queue for which a QUEUE-DCQ-138 occurrence does not already exist.

Record length: 64

Established by: CA-IDMS products and user application programs that run under CA-IDMS/DC

Owner of: QUEUE-SROOT

Location mode: CALC using QNAME-138

Within area: DDLDCRUN

Field	Picture	Description
02 QNAME-138	**X(16) DISPLAY**	Queue name.
02 QOWNER-138	**X(18) DISPLAY**	Queue owner
02 QDCVID-138	**S9(4) COMP SYNC**	Version number of the CA-IDMS/DC system under which the queue was created.
02 QUEUE-RET-138	**X(1) DISPLAY**	Retention period, in days.
02 QUEUE-DATE-138	**DISPLAY**	Date, in Julian format, on which the queue was created.
03 QUEUE-YEAR-138	**X(1) DISPLAY**	
03 QUEUE-DAY-138	**S9(4) COMP SYNC**	
03 QUEUE-FLAG-138	**BIT**	Flag
02 QUEUE-FLAG2-138	**X(8) BIT**	Flag byte.
02 QUEUE-DC-SYS-NAME-138	**X(8) DISPLAY**	Name of system owning a local queue.
02 FILLER	**X(14) DISPLAY**	

3.103 QUEUE-030

Description: Occurrences of the QUEUE-030 record type represent queue definitions.

Record length: 116

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: QUEUE-QUEUEATTR, QUEUE-QUEUECMT, QUEUE-QUEUELST, QUEUE-USERQUEUE

Member of: OOAK-QUEUE

Location mode: CALC using QUEUE-NAME-030

Within area: DDLDML

Field	Picture	Description
02 QUEUE-NAME-030	X(16) DISPLAY	Queue name.
02 QUEUE-VER-030	S9(4) COMP SYNC	Queue version number.
02 BUILDER-030	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(1) DISPLAY	
02 DESCR-030	X(40) DISPLAY	Queue description.
02 DATE-LU-030	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-030	X(8) DISPLAY	Date established.
02 PREP-BY-030	X(8) DISPLAY	User who added the queue definition.
02 REV-BY-030	X(8) DISPLAY	User who last updated the queue definition.
02 THRESH-VAL-030	S9(4) COMP SYNC	Task initiation threshold.
02 UPPER-LIMIT-030	S9(4) COMP SYNC	Maximum number of entries permitted in the queue.

Field	Picture	Description
02 TASK-VER-030	**S9(4) COMP SYNC**	Version number of the task to be initiated when the number of entries in the queue reaches the value contained in THRESH-VAL-030.
02 TASK-NAME-030	**X(8) DISPLAY**	Name of the task to be initiated when the number of entries in the queue reaches the value contained in THRESH-VAL-030.
02 QUEUE-FLAG-030	**X(8) BIT**	Queue flag. X'80' — Disabled
02 QUEUE-RET-030	**X(1) DISPLAY**	Retention period, in days.
02 PUB-ACCESS-FLAG-030	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 USER-COUNT-030	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(4) DISPLAY**	

3.104 QUEUEATTR-130

Description: QUEUEATTR-130 is the attribute junction record for the QUEUE-030 record type.

▶▶ For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, QUEUE-QUEUEATTR

Location mode: VIA set QUEUE-QUEUEATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-130	**X(40) DISPLAY**	User-supplied junction text.

3.105 QUEUECMT-033

Description: QUEUECMT-033 is the comment record associated with the QUEUE-030 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: QUEUE-QUEUECMT

Location mode: VIA set QUEUE-QUEUECMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-033	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-033	**DISPLAY**	
03 CMT-INFO-033	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-033	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.106 QUEUELST-029

Description: QUEUELST-029 is the junction record that relates a queue definition to a CA-IDMS/DC system in which the queue is defined. QUEUELST-029 also relates a queue definition to the task that is initiated when the number of entries in the queue reaches the task initiation threshold.

Record length: 28

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Member of: QUEUE-QUEUELST, SYS-QUEUELST, TASKLST-QUEUELST

Location mode: VIA set SYS-QUEUELST

Within area: DDLDML

Field	Picture	Description
02 QUEUE-NAME-029	X(16) DISPLAY	Queue name.
02 BUILDER-029	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-029	X(1) DISPLAY	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 QUEUE-VER-029	S9(4) COMP SYNC	Queue version number.
02 THRESH-VAL-029	S9(4) COMP SYNC	Task initiation threshold.
02 UPPER-LIMIT-029	S9(4) COMP SYNC	Maximum number of entries permitted in the queue.
02 QUEUE-FLAG-029	X(8) BIT	Queue flag. X'80' — Disabled
02 QUEUE-RET-029	X(1) DISPLAY	Retention period, in days.
02 FILLER	X(2) DISPLAY	

3.107 RCDACT-059

Description: RCDACT-059 is a junction record that relates a subschema record to a program that accesses the record.

Record length: 40

Established by: IDD DDDL compiler, DML precompilers, CA-ADS dialog compiler

Member of: PROG-RCDACT, SSR-RCDACT

Location mode: VIA set PROG-RCDACT

Within area: DDLDML

Field	Picture	Description
02 RA-FUNCT-059	**S9(4) COMP SYNC**	Function code indicating the DML command issued by the program. The function code for each DML command except OBTAIN is the major DML verb number; the function code for OBTAIN is 43. If a FIND or OBTAIN verb is modified by the KEEP parameter, the function code is the FIND or OBTAIN function code plus 20.
88 ERASE-059	**COND VALUE +02**	
88 FIND-059	**COND VALUE +03**	
88 GET-059	**COND VALUE +05**	
88 KEEP-059	**COND VALUE +06**	
88 CONNECT-059	**COND VALUE +07**	
88 MODIFY-059	**COND VALUE +08**	
88 DISCONNECT-059	**COND VALUE +11**	
88 STORE-059	**COND VALUE +12**	
88 BIND-059	**COND VALUE +14**	

Field	Picture	Description
88 ACCEPT-059	COND VALUE +15	
88 FIND-KEEP-059	COND VALUE +23	
88 OBTAIN-059	COND VALUE +43	
88 OBTAIN-KEEP-059	COND VALUE +63	
02 RA-COUNT-059	S9(4) COMP SYNC	Number of times that the program issues the verb indicated by RA-FUNCT-059.
02 RA-RCD-OWN-059	X(32) DISPLAY	Name of the subschema record that owns the RCDACT-059 occurrence.
02 FILLER	X(4) DISPLAY	

3.108 RCDATTR-081

Description: RCDATTR-081 is the attribute junction record for the SR-036 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, SR-RCDATTR

Location mode: VIA set SR-RCDATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-081	**X(40) DISPLAY**	User-supplied junction text.

3.109 RCDCMT-080

Description: RCDCMT-080 is the comment record associated with the SR-036 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: SR-RCDCMT

Location mode: VIA set SR-RCDCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-080	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-080	**DISPLAY**	
03 CMT-INFO-080	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-080	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.110 RCDCOPY-063

Description: RCDCOPY-063 is a junction record that relates a record synonym to a program that copies the record synonym.

Record length: 44

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS application compiler, CA-ADS dialog compiler

Member of: PROG-RCDCOPY, RCDSYN-RCDCOPY

Location mode: VIA set PROG-RCDCOPY

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-063	**X(40)** **DISPLAY**	User-supplied junction text.
02 ADS-RCD-TEXT-063	**DISPLAY REDEFINES JCT-TEXT-063**	Redefinition of the JCT-TEXT-063 field for use by the CA-ADS dialog compiler.
03 JCT-REC-TYPE-063	**X(1)** **DISPLAY**	Dialog participation indicator. The value in this field indicates how the record participates in the dialog.
88 STAT-DEF-REC-063	**COND VALUE 'A'**	
88 NEW-COPY-REC-063	**COND VALUE 'N'**	
88 WORK-REC-063	**COND VALUE 'W'**	
88 NEW-COPY-WORK-REC-063	**COND VALUE 'B'**	
03 JCT-MAP-063	**X(1)** **DISPLAY**	Map record indicator. If this field contains the character M, the record is associated with the map used by the dialog. If this field contains a blank, the record is not associated with the map used by the dialog.
88 MAP-REC-063	**COND VALUE 'M'**	

Field	Picture	Description
03 JCT-LR-063	**X(1)** **DISPLAY**	Logical record indicator. If this field contains the character L, the record participates in a logical record used by the dialog. If this field contains a blank, the record does not participate in a logical record used by the dialog.
88 LR-REC-063	**COND** **VALUE 'L'**	
03 JCT-SUBSCHEMA-063	**X(1)** **DISPLAY**	Subschema record indicator. If this field contains the character S, the record is in the subschema associated with the dialog. If this field contains a blank, the record is not in the subschema associated with the dialog.
88 SUBSCHEMA-REC-063	**COND** **VALUE 'S'**	
03 JCT-ROLE-063	**X(1)** **DISPLAY**	
88 ROLE-063	**COND** **VALUE 'R'**	
88 PRIMARY-ROLE-REC-063	**COND** **VALUE 'P'**	
03 FILLER-063	**X(35)** **DISPLAY**	
02 JUNCT-TYPE-063	**X(4)** **DISPLAY**	Junction type. A non-blank value in this field means that the RCDCOPY-063 occurrence represents an activity record.
88 ACTIVITY-JUNCTION-063	**COND** **VALUE** **'ACT '**	

3.111 RCDNEST-145

Description: RCDNEST-145 is the nesting junction record for the SR-036 record type.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler

Member of: SR-EXPL, SR-IMPL

Location mode: VIA set SR-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-145	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-145	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(4) DISPLAY**	

3.112 RCDSYN-079

Description: Occurrences of the RCDSYN-079 record type represent record syno-
nyms. For each record defined in the dictionary, a RCDSYN-079 occurrence is
created for the primary record name as well as for each record synonym name. The
elements associated with a record synonym can be found by walking the
RCDSYN-NAMESYN set. The RCDSYN-079 record type is also used to define
subschema views of schema records. The RCDSYN-NAMESYN set for a subschema
view contains only the elements included in the view, in the order in which they were
named in the view definition.

Record length: 100

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, subschema
compiler, ASF

Owner of: RCDSYN-FRSYN, RCDSYN-LRSSR, RCDSYN-MAPRCD,
RCDSYN-NAMESYN, RCDSYN-RCDCOPY, RCDSYN-RCDSYNATT,
RCDSYN-SRCD, RCDSYN-SSR

Member of: SR-RCDSYN

Location mode: CALC using RSYN-NAME-079

Within area: DDLDML

Field	Picture	Description
02 RSYN-NAME-079	**X(32)** **DISPLAY**	Record synonym name.
02 RSYN-VER-079	**S9(4) COMP** **SYNC**	Record synonym version number.
02 BUILDER-079	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 PREFIX-IND-079	**X(1)** **DISPLAY** **VALUE ' '**	Prefix or suffix indicator. If this field contains the character P, a prefix is defined for elements that participate in the record synonym. If this field contains the character S, a suffix is defined for ele-ments that participate in the record synonym. If this field contains a blank, neither a prefix nor a suffix is defined for elements that participate in the record synonym.
88 PREFIX-079	**COND** **VALUE 'P'**	

Field	Picture	Description
88 SUFFIX-079	**COND VALUE 'S'**	
88 NO-PREFIX-079	**COND VALUE ' '**	
02 PREFIX-VAL-079	**X(10) DISPLAY**	Value of prefix or suffix, as indicated by PREFIX-IND-079, defined for elements that participate in the record synonym. If no prefix or suffix is defined, this field contains blanks.
02 VIEW-079	**X(32) DISPLAY**	View identifier, if specified, for RCDSYN-079 occurrences that represent subschema views. If no view identifier was specified, this field contains blanks.
LANG-FLAG-079	**X(8) BIT**	Language flag. X'08' — COBOL X'04' — Assembler X'02' — PL/I X'01' — SQL
02 SYN-TYPE-079	**X(1) DISPLAY**	Synonym flag. This is blank for all synonyms except the Primary Record Synonym.
88 PRIMARY-SYNONYM-079	**COND VALUE 'P'**	
02 FILLER	**X(20) DISPLAY**	

3.113 RCDSYNATTR-141

Description: RCDSYNATTR-141 is the attribute junction record for the RCDSYN-079 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler, schema compiler

Member of: ATTR-JCT, RCDSYN-RCDSYNATT

Location mode: VIA set RCDSYN-RCDSYNATT

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-141	**X(40) DISPLAY**	User-supplied junction text.

3.114 S-010

Description: Occurrences of the S-010 record type represent schemas. Two special schemas, IDMSNTWK version 1 and 'NON IDMS' version 1, are defined in the dictionary.

IDMSNTWK version 1 is the schema that defines the dictionary itself; the schema definition is loaded by IDMSDIRL. DDR depends on the IDMSNTWK version 1 schema for its definitions of the dictionary; therefore, the schema should never be deleted from a dictionary against which DDR is to run. Unlike other schemas defined in the dictionary, IDMSNTWK version 1 is not usually a member of the OOAK-S set. This is a performance consideration: when reporting on records defined in the dictionary, IDMSRPTS walks the OOAK-S set in order to access the record definitions; excluding IDMSNTWK version 1 from the OOAK-S set allows IDMSRPTS to bypass the records that define the dictionary itself. The user has the option of connecting the IDMSNTWK version 1 schema to the OOAK-S set when the CA-IDMS/DB Directory Load Utility (IDMSDIRL) is run.

'NON IDMS' version 1 is a dummy schema that is used by the IDD DDDL compiler. IDD-built records and files are connected to the 'NON IDMS' schema; this identifies the records and files as having been built by IDD. The S-010 occurrence for the 'NON IDMS' schema is created by the IDD DDDL compiler, by the CA-IDMS system generation compiler, or by the schema compiler (whichever executes first); 'NON IDMS' version 1 cannot be deleted from the dictionary.

Record length: 220

Established by: IDMSDIRL, IDD DDDL compiler, CA-IDMS system generation compiler, schema compiler, ASF

Owner of: S-SA, S-SCHEMAATTR, S-SCHEMACMT, S-SOR, S-SRCD, S-SS, S-USERSCHEMA

Member of: OOAK-S

Location mode: CALC using S-NAM-010

Within area: DDLDML

Field	Picture	Description
02 S-NAME-010	**DISPLAY**	Schema identification.
03 S-NAM-010	**X(8) DISPLAY**	Schema name.
03 S-SER-010	**S9(4) COMP SYNC**	Schema version number.

Field	Picture	Description
02 S-DT-010	**X(8)** **DISPLAY**	Memo date, if any, supplied by the user (*mm/dd/yy*).
02 S-VERSION-010	**99V99** **DISPLAY**	Release number (for example, 10.00) of the schema compiler used to compile the schema.
02 ERR-010	**9(1) DISPLAY**	Schema error flag. If this field contains 1, the schema contains errors and is not available for use by the DMCL and subschema compilers. If this field contains 0, the schema does not contain errors.
02 FILLER	**X(54)** **DISPLAY**	
02 PUB-ACCESS-FLAG-010	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 DESCR-010	**X(40)** **DISPLAY**	Schema description.
02 DATE-CREATED-010	**X(8)** **DISPLAY**	Date established.
02 TIME-CREATED-010	**X(8)** **DISPLAY**	Time established.
02 DATE-LU-010	**X(8)** **DISPLAY**	Date last updated.
02 TIME-LU-010	**X(8)** **DISPLAY**	Time last updated.
02 PREP-BY-010	**X(8)** **DISPLAY**	User who added the schema.
02 REV-BY-010	**X(8)** **DISPLAY**	User who last updated the schema.
02 DERIVED-S-NAME-010	**DISPLAY**	Reserved.
03 DERIVED-S-NAM-010	**X(8)** **DISPLAY**	
03 DERIVED-S-SER-010	**S9(4) COMP** **SYNC**	
02 START-RECORD-IDS-010	**S9(4) COMP** **SYNC**	Starting value for schema record ids.
02 FILLER	**X(10)** **DISPLAY**	
02 USER-COUNT-010	**S9(4) COMP** **SYNC**	Count of users registered for all.

Field	Picture	Description
02 FILLER	**X(30)** **DISPLAY**	

3.115 SA-018

Description: Occurrences of the SA-018 record type represent schema areas and IDD files.

Record length: 168

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler

Owner of: FILENEST-EXPL, FILENEST-IMPL, SA-AFACT, SA-FILEATTR, SA-FILECMT, SA-FILESYN, SA-SACALL, SA-SAM, SA-SSA, SA-USERFILE

Member of: S-SA

Location mode: CALC using SA-NAM-018

Within area: DDLDML

Field	Picture	Description
02 SA-NAM-018	**X(32) DISPLAY**	Schema area name or IDD file name.
02 FILE-VERS-018	**S9(4) COMP SYNC**	IDD file version number. If the SA-018 occurrence represents a schema area, this field contains 0.
02 BUILDER-018	**X(1) DISPLAY**	
02 FILLER	**X(1) DISPLAY**	
02 LABELS-018	**S9(4) COMP SYNC**	Label processing specification for the IDD file. 0 NULL 1 STANDARD 2 NONSTANDARD 3 OMITTED
02 S-NAME-018	**DISPLAY**	Schema identification. If the schema is 'NON IDMS' version 1, the SA-018 occurrence represents an IDD file; otherwise, the SA-018 occurrence represents a schema area.
03 S-NAM-018	**X(8) DISPLAY**	Schema name.
03 S-SER-018	**S9(4) COMP SYNC**	Schema version number.

Field	Picture	Description
02 REC-SIZE-018	**S9(4) COMP SYNC**	Maximum record size for the IDD file.
02 BLK-SIZE-018	**S9(4) COMP SYNC**	Block size for the IDD file.
02 PUB-ACCESS-FLAG-018	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 USER-COUNT-018	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(4) DISPLAY**	
02 DESCR-018	**X(40) DISPLAY**	IDD file description.
02 DATE-LU-018	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-018	**X(8) DISPLAY**	Date established.
02 PREP-BY-018	**X(8) DISPLAY**	User who added the IDD file.
02 REV-BY-018	**X(8) DISPLAY**	User who last updated the IDD file.
02 RECFM-018	**X(1) DISPLAY**	Recording mode for the IDD file. C'F' Fixed-length records C'V' Variable-length records C'S' Variable-length spanned records C'U' Undefined recording mode C' ' Recording mode not specified
02 RECORD-DESCRIPTOR-018	**X(1) DISPLAY**	Record descriptor flag for the IDD file (used by CA-CULPRIT). If this field contains the character X, record descriptors are included in the record definitions in the dictionary. If this field contains a blank, record descriptors are not included in the record definitions in the dictionary.
02 FILLER	**X(2) DISPLAY**	
02 STAT-AREA-NUM- PAGES-018	**S9(8) USAGE COMP SYNC**	The number of pages in the area.

Field	Picture	Description
02 STAT-AREA-PAGE- SIZE-018	**S9(8) USAGE COMP SYNC**	The size of a page in the area.
02 STAT-AREA-NUM- PAGES-USED-018	**S9(8) USAGE COMP SYNC**	The number of non-empty pages in the area.
02 STAT-AREA-NUM- ROWS-018	**S9(8) USAGE COMP SYNC**	The number of records in the area.
02 STAT-AREA-PCT- USED-018	**USAGE COMP-1**	The percentage of space in the area that is used.
02 FILLER	**X(12) DISPLAY**	

3.116 SACALL-020

Description: Occurrences of the SACALL-020 record type document database procedures to be called for the owner schema area in the SA-SACALL set.

Record length: 64

Established by: IDMSDIRL, schema compiler

Member of: SA-SACALL

Location mode: VIA set SA-SACALL

Within area: DDLDML

Field	Picture	Description
02 CALL-SEQ-CTL-020	**DISPLAY**	Control key for the SA-SACALL sorted set.

03 CALL-TIME-020	**X(2)** **DISPLAY**	Call time.
		
		    00 BEFORE
		    01 ON ERROR
		    02 AFTER

03 SEQ-020	**9(6) DISPLAY**	Database procedure sequence number. Each database procedure called for an area is assigned a sequence number; the sequence numbers start at 1 for each area and are incremented by 1.
02 CALL-PROC-020	**X(8)** **DISPLAY**	Database procedure name.
02 DBP-FUNC-020	**X(16)** **DISPLAY**	DML verb (READY, FINISH, COMMIT, or ROLLBACK) for which the database procedure is called. If this field contains blanks, the database procedure is called for all DML verbs.
02 DBP-MODE-020	**X(16)** **DISPLAY**	Usage mode (UPDATE or RETRIEVAL) of the READY verb for which the database procedure is called. If this field contains blanks and DBP-FUNC-020 contains READY, the database procedure is called for both usage modes.
02 DBP-ACCESS-020	**X(16)** **DISPLAY**	Access mode (EXCLUSIVE, PROTECTED, or SHARED) of the READY verb for which the database procedure is called. If this field contains blanks and DBP-FUNC-020 contains READY, the database procedure is called for all access modes.

3.117 SAM-056

Description: SAM-056 is a junction record that relates schema records to schema areas and IDD-built records to IDD files.

Record length: 248

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Member of: SA-SAM, SRCD-SAM

Location mode: VIA set SRCD-SAM

Within area: DDLDML

Field	Picture	Description
02 SR-NAM-056	**X(32)** **DISPLAY**	Record name.
02 SA-NAM-056	**X(32)** **DISPLAY**	Schema area name or IDD file name.
02 FILLER	**X(6)** **DISPLAY**	
02 KEYS-056	**DISPLAY** **OCCURS 5** **TIMES**	Up to 5 sort control keys for IDD-built records that are sequenced within an IDD file.
03 KEY-FLD-056	**X(32)** **DISPLAY**	Control element name.
03 SEQ-IND-056	**X(1)** **DISPLAY**	Sequence indicator. If this field contains the character A, the sorting sequence is ascending. If this field contains the character D, the sorting sequence is descending. If this field contains a blank, no sorting sequence was specified.
02 FILLER	**X(13)** **DISPLAY**	

3.118 SCHEMAATTR-180

Description: SCHEMAATTR-180 is the attribute junction record for the S-010 record type.

▶▶ For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: Schema compiler

Member of: ATTR-JCT, S-SCHEMAATTR

Location mode: VIA set S-SCHEMAATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-180	**X(40) DISPLAY**	User-supplied junction text.

3.119 SCHEMACMT-181

Description: SCHEMACMT-181 is the comment record associated with the S-010 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: Schema compiler

Member of: S-SCHEMACMT

Location mode: VIA set S-SCHEMACMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-181	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-181	**DISPLAY**	
03 CMT-INFO-181	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-181	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.120 SCR-054

Description: SCR-054 is a junction record that relates record elements to set members. Each SCR-054 occurrence represents a control key for a sorted set or a CALC record.

Record length: 80

Established by: IDMSDIRL, schema compiler, ASF

Member of: SDR-SCR, SMR-SCR

Location mode: VIA set SMR-SCR

Within area: DDLDML

Field	Picture	Description
02 SCR-POS-054	**S9(4) COMP SYNC**	Leftmost position of the control-key element within the record. The value in this field is relative to 0; the record prefix (that is, the database-key positions) is included in the calculation. If this field contains -4, the control key is the database key for indexes sorted on database key; in this case, the SCR-054 occurrence is not connected to the SDR-SCR set.
02 SCR-LGTH-054	**S9(4) COMP SYNC**	Length of the control-key element.
02 DATA-TYPE-054	**S9(4) COMP SYNC**	SQL data type of the key field.
02 PRECISION-054	**S9(4) COMP SYNC**	SQL precision of the key field.
02 SCALE-054	**S9(4) COMP SYNC**	SQL scale of the key field.
02 SORT-054	**S9(4) COMP SYNC**	Sorting sequence. If this field contains +0, the set is sorted in ascending order. If this field contains +1, the set is sorted in descending order.
02 INDEX-054	**S9(4) COMP SYNC**	Reserved field used for the implementation of inverted lists in CA-IDMS/DB internal indexing. -1 Null 0 Sorted on symbolic uncompressed 1 Sorted on symbolic compressed 2 Sorted on database key

Field	Picture	Description
02 SCR-NAM-054	**X(32)** **DISPLAY**	Control-key record element name.
02 FILLER	**X(2)** **DISPLAY**	
02 STAT-COL-NUM- **DISTINCT-VALS-054**	**S9(8)** **USAGE** **COMP SYNC**	The number of unique values found for this column.
02 STAT-COL-LOW-VALUE-054	**X(8)** **USAGE** **DISPLAY**	The contents of the key with the second lowest value for this column.
02 STAT-COL-HIGH-VALUE-054	**X(8)** **USAGE** **DISPLAY**	The contents of the key with the second highest value for this column.
02 FILLER	**X(12)** **DISPLAY**	

3.121 SDES-044

Description: SDES-044 is the comment record associated with the SDR-042 record type. Occurrences of the SDES-044 record type are used to store values, edit and code tables, CA-CULPRIT and CA-OLQ headers, ASF headers, and control information for record elements, as well as to store lines of comment text.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Member of: SDR-SDES

Location mode: VIA set SDR-SDES

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-044	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-044	**DISPLAY**	
03 CMT-INFO-044	**X(50) DISPLAY OCCURS 2 TIMES**	
02 VALS-044	**DISPLAY REDEFINES CMT-044**	Redefinition of the CMT-044 field for SDES-044 occurrences with a comment code (CMT-ID-044) of -3 (that is, occurrences that contain values).
03 VAL-LGTH1-044	**S9(4) COMP SYNC**	Length, in bytes, of the first value string, including quotation marks if specified.
03 VAL-LGTH2-044	**S9(4) COMP SYNC**	Length, in bytes, of the second value string, including quotation marks if specified. A second value string occurs only when the record element synonym is a COBOL level-88 condition name. This field contains -1 if no second value string exists.
03 VAL-TEXT-044	**DISPLAY**	
04 VAL1-044	**X(34) DISPLAY**	First value, including quotation marks if specified.

Field	Picture	Description
04 VAL2-044	**DISPLAY**	Second value, including quotation marks if specified.
05 ISEQ-044	**X(1)** **DISPLAY**	Sort sequence for index key.
88 ISEQ-ASC-044	**COND** **VALUE 'A'**	
88 ISEQ-DES-044	**COND** **VALUE 'D'**	
88 ISEQ-NONE-044	**COND** **VALUE ' '**	
05 FILLER	**X(33)** **DISPLAY**	
05 FILLER	**X(28)** **DISPLAY**	
02 HDR-GROUP-044	**DISPLAY** **REDEFINES** **CMT-044**	Redefinition of the CMT-044 field for SDES-044 occurrences with a comment code (CMT-ID-044) of -8 or -9 (that is, occurrences that represent edit or code tables).
03 FILLER	**X(4)** **DISPLAY**	
03 HDR-NR-OF-ENTRIES-044	**S9(4) COMP** **SYNC**	Number of entries in the table.
03 HDR-ENTRY-LEN-044	**S9(4) COMP** **SYNC**	Length, in bytes, of the largest table entry.
03 HDR-KEY-OFFSET-044	**S9(4) COMP** **SYNC**	Key offset.
03 HDR-KEY-LEN-044	**X(8) BIT**	Length of key.

03 HDR-FLAG1-044	**S9(4) COMP** **SYNC**	Flag byte.
		
		    X'40' — Linear search.
		    X'20' — Binary search.

03 HDR-START-044	**S9(8) COMP** **SYNC**	Pointer to the start of the table.
03 HDR-TABLE-LEN-044	**S9(8) COMP** **SYNC**	Total length of the table text.

Field	Picture	Description
03 HDR-FLAG2-044	**S9(4) COMP SYNC**	Flag byte.
		X'80' — Type of list (ON = valid, OFF = invalid)
		X'40' — Binary search (ON = encode, OFF = decode)
		X'20' — Encode format (ON = numeric, OFF = alpha)
		X'10' — Decode format (ON = numeric, OFF = alpha)
		X'08' — Table (ON = sorted, OFF = unsorted)
		X'04' — Duplicates (ON = allowed, OFF = not allowed)
		X'02' — CATCH ALL ACTIVE (ON = yes, OFF = no)
		X'01' — Type of table (ON = edit, OFF = code)
03 HDR-EN-DP-044	**X(8) BIT**	Decimal position indicator for encoded values in the table.
03 HDR-DE-DP-044	**X(8) BIT**	Decimal position indicator for decoded values in the table.
03 FILLER	**X(1) DISPLAY**	
03 HDR-LIN-SIZE-044	**S9(8) COMP SYNC**	Basic calculated linear table size.
03 HDR-EN-VAL-SIZE-044	**S9(4) COMP SYNC**	Encode catch-all value size.
03 HDR-DE-VAL-SIZE-044	**S9(4) COMP SYNC**	Decode catch-all value size.
03 HDR-EN-MAX-044	**S9(4) COMP SYNC**	Number of entries with the maximum encode size.
03 HDR-DE-MAX-044	**S9(4) COMP SYNC**	Number of entries with the maximum decode size.
03 HDR-EN-MAX-SIZE-044	**X(8) BIT**	Maximum encode size.
03 HDR-DE-MAX-SIZE-044	**X(8) BIT**	Maximum decode size.
03 FILLER	**X(62) DISPLAY**	
02 ASF-GROUP-044	**DISPLAY REDEFINES CMT-044**	ASF headers.

Field	Picture	Description
03 ASF-FIELD-NAME-044	**X(32) DISPLAY**	Field name.
03 ASF-RECORD-NAME-044	**X(32) DISPLAY**	ASF record name.
03 ASF-RECORD-NR-044	**S9(8) COMP SYNC**	ASF record definition number (RDN).
03 ASF-FIELD-NR-044	**S9(4) COMP SYNC**	ASF record field number (FNO).
03 ASF-MAP-SEQ-044	**S9(4) COMP SYNC**	Map sequence number.
03 ASF-SUBSCR-CNT-044	**S9(4) COMP SYNC**	Number of subscripts.
03 SUBSCR-1-044	**S9(4) COMP SYNC**	First subscript.
03 SUBSCR-2-044	**S9(4) COMP SYNC**	Second subscript.
03 SUBSCR-3-044	**S9(4) COMP SYNC**	Third subscript.
03 SUBSCR-4-044	**S9(4) COMP SYNC**	Fourth subscript.
03 SUBSCR-5-044	**S9(4) COMP SYNC**	Fifth subscript.
03 FILLER	**X(16) DISPLAY**	
02 CMT-ID-044	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.122 SDR-042

Description: SDR-042 is a junction record that relates INQ-058 element definitions to records in which the elements participate; each SDR-042 occurrence represents a record element.

When an element is included in a record, information from the INQ-058 occurrence for the element is copied into a newly created SDR-042 occurrence. If the record element subsequently is modified, only the SDR-042 occurrence, not the INQ-058 occurrence, is changed. If the freestanding element definition is modified, only the INQ-058 occurrence, not any SDR-042 occurrences that it owns, is changed.

Record length: 136

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Owner of: SDR-NAMESYN, SDR-SCR, SDR-SDES

Member of: INQ-SDR, SR-SDR

Location mode: VIA set SR-SDR

Within area: DDLDML

Field	Picture	Description
02 SEQ-042	**9(6) DISPLAY**	Sequence number. Each element included in a record is assigned a sequence number; the sequence numbers start at, and are incremented by, the default sequence number contained in the IDD-SEQ-012 field of the OOAK-012 record.
02 DR-LGTH-042	**S9(4) COMP SYNC**	Record element length, in bytes. For group record elements, the value in this field indicates the total group length. For multiply-occurring record elements, the value in this field is the length of one occurrence multiplied by the number of occurrences. For record elements with usage BIT, this field contains 0.

Field	Picture	Description
02 PIC-LGTH-042	**S9(4) COMP SYNC**	Length, in bytes, of the picture string in PIC-042. This field contains -1 if one or more of the following conditions apply: ■ The record element is a group record element. ■ The usage specification for the record element is COMP-1, COMP-2, POINTER, or CONDITION-NAME. ■ No picture definition exists for the record element.
02 DR-BOFF-042	**S9(4) COMP SYNC**	Bit offset. For record elements with usage BIT, this field contains the offset (relative to zero) at which the bit field starts in relation to the beginning of the byte. For record elements with usage other than BIT, this field contains 0.
02 DR-BLTH-042	**S9(4) COMP SYNC**	Bit length. For record elements with usage BIT, this field contains the record element length, in bits. For record elements with usage other than BIT, this field contains 0.
02 USE-042	**S9(4) COMP SYNC**	Usage. 0 DISPLAY 1 COMPUTATIONAL (binary) 2 COMPUTATIONAL-1 (short-precision floating point) 3 COMPUTATIONAL-2 (long-precision floating point) 4 COMPUTATIONAL-3 (packed decimal) 5 BIT (bit string) 6 POINTER (fullword address constant) 7 DISPLAY-1 (Kanji/DBCS) 88 CONDITION-NAME (COBOL level-88 value)
02 SYNC-042	**S9(4) COMP SYNC**	Synchronization indicator. If this field contains 1, boundary alignment is specified for the record element. If this field contains -1, boundary alignment is not specified for the record element.
02 OCC-042	**S9(4) COMP SYNC**	Occurrence count for multiply-occurring record elements. If the record element is not multiply-occurring, this field contains 0.
02 DR-LVL-042	**9(2) DISPLAY**	Record element level number (for example, 02, 03, or 88).

Field	Picture	Description
02 OCC-LVL-042	**S9(4) COMP SYNC**	Number of subscripts needed to reference the record element.
02 RDF-LVL-042	**S9(4) COMP SYNC**	Number of levels of redefinition in effect for the record element.
02 DR-NAM-042	**X(32) DISPLAY**	Primary element name, as contained in the INQ-058 occurrence that owns the SDR-042 occurrence. This field is used internally for fast searches of the SR-SDR set when the IDD DDDL compiler updates record elements. The record element name as used by the record or record synonym will be found in the NAMESYN-083 occurrence that is owned by both the SDR-042 occurrence and the RCDSYN-079 occurrence for the applicable record or record synonym.
02 PIC-042	**X(30) DISPLAY**	Picture.
02 FILLER	**X(2) DISPLAY**	
02 SIGN-042	**X(1) DISPLAY**	Sign indicator. If this field contains the character L, the sign for the record element appears in the leading position. If this field contains the character T, the sign for the record element appears in the trailing position. If this field contains a blank, no sign specification exists for the record element. **Note:** The sign indicator is independent of the S picture character.
02 SEPARATE-042	**X(1) DISPLAY**	Separate sign indicator. If this field contains the character S, a separate character is reserved for the record element sign designation. If this field contains a blank, a separate character is not reserved for the record element sign designation.
02 ISEQ-042	**X(1) DISPLAY**	Sorting sequence for multiply-occurring group elements. If this field contains the character A, the sorting sequence is ascending. If this field contains the character D, the sorting sequence is descending. If this field contains a blank, no sorting sequence was specified.
88 ISEQ-ASC-042	**COND VALUE 'A'**	
88 ISEQ-DES-042	**COND VALUE 'D'**	

Field	Picture	Description
88 ISEQ-NONE-042	**COND VALUE ' '**	
02 BUILDER-042	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ELEM-JUST-042	**X(1) DISPLAY**	Justification indicator. If this field contains the character J, the record element is justified. If this field contains a blank, the record element is not justified.
88 JUST-ON-042	**COND VALUE 'J'**	
88 JUST-OFF-042	**COND VALUE ' '**	
02 ELEM-BONZ-042	**X(1) DISPLAY**	Blank on zero indicator.
88 BONZ-ON-042	**COND VALUE 'B'**	Record element is blank on zero.
88 BONZ-OFF-042	**COND VALUE ' '**	
02 ALT-PIC-TYPE-042	**S9(4) COMP SYNC**	Alternate picture type. If this field contains 0, the primary picture format of the element was used for the record element definition. If this field contains 1, 2, 3, or 4, the first, second, third, or fourth alternate picture format, respectively, was used for the record element definition.
02 VAL-SW-042	**X(1) DISPLAY**	Value indicator. If this field contains 1, the record element has an initial value; the value can be found by walking the SDR-SDES set for an SDES-044 occurrence with a comment code (CMT-ID-044) of -3. If this field contains 0, the record element does not have an initial value.
02 SDR-FLAG-042	**X(8) BIT**	Flag byte for options included in the record element definition.

<div style="margin-left:2em">

X'40' REDEFINES
X'20' INDEX KEY
X'10' INDEXED BY
X'08' OCCURS DEPENDING ON
X'04' EXTERNAL PICTURE
X'02' CODE TABLE
X'01' EDIT TABLE

</div>

Field	Picture	Description
02 SDR-FLAG-2-042	**X(8) BIT**	Record element work flag used during modification of non-IDD-owned records. X'80' — Replacement error X'02' — Original record element X'01' — Replacement record element
02 FILLER	**X(1) DISPLAY**	
02 DATA-TYPE-042	**S9(4) COMP SYNC**	SQL data type.
02 PRECISION-042	**S9(4) COMP SYNC**	SQL precision.
02 SCALE-042	**S9(4) COMP SYNC**	SQL scale.
02 LENGTH-042	**S9(4) COMP SYNC**	Length of one occurrence of the element.
02 FILLER	**X(26) DISPLAY**	

3.123 SEGMENT-1047

Description: Occurrences of SEGMENT-1047 represent the definitions of database segments.

Record length: 144

Established by: Physical database definition

Owner of: SEGMENT-AREA, SEGMENT-DMCLSEG, SEGMENT-FILE

Member of: IX-SEGMENT

Location mode: CALC using NAME-1047

Within area: DDLCAT

Field	Picture	Description
02 NAME-1047	**X(8) DISPLAY**	Segment name.
02 CTIME-1047	**X(64) BIT**	Date and time stamp when the segment was created.
02 UTIME-1047	**X(64) BIT**	Date and time stamp when the segment was last updated.
02 CRITTIME-1047	**X(64) BIT**	Date and time stamp of the last critical change made to the segment.
02 CUSER-1047	**X(18) DISPLAY**	ID of the user who created the segment.
02 UUSER-1047	**X(18) DISPLAY**	ID of the user who last updated the segment.
02 SCHEMA-1047	**X(18) DISPLAY**	Name of the SQL schema, if any, that is associated with the segment. If an SQL schema name is associated with the segment, only tables whose names are qualified by the SQL schema name can be stored in areas associated with the segment.
02 PAGEGROUP-1047	**S9(4) COMP SYNC**	Identifier of the page group that contains the areas associated with the segment.
02 RECSPERPAGE-1047	**S9(8) COMP SYNC**	Maximum number of records that can be stored on a single page. The value in this field is equal to the value supplied by the user, rounded up to the nearest power of 2, minus 1.

Field	Picture	Description
02 NUMAREAS-1047	**S9(4) COMP SYNC**	Number of areas associated with the segment.
02 NUMFILES-1047	**S9(4) COMP SYNC**	Number of files associated with the segment.
02 NUMDADS-1047	**S9(4) COMP SYNC**	Number of files associated with this segment that contain dynamic allocation (DAD) information.
02 NUMFILEMAPS-1047	**S9(4) COMP SYNC**	Number of files to which the segment maps.
02 NUMSYMBOLICS-1047	**S9(4) COMP SYNC**	Number of symbolics in the segment.
02 STAMPLEVEL-1047	**X(1) DISPLAY**	Data definition stamp level. 'N' — No stamp checking 'T' — Table stamping 'S' — Area stamping
02 TYPE-1047	**X(1) DISPLAY**	Segment type. 'N' — Non-SQL segment 'T' — SQL segment
02 FILLER	**X(40) DISPLAY**	

3.124 SENDLST-021

Description: SENDLST-021 is a logical extension of the DEST-028 record type. Each SENDLST-021 occurrence identifies a user, logical terminal, or printer that participates in the owner destination.

Record length: 36

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Member of: DEST-SENDLST

Location mode: VIA set DEST-SENDLST

Within area: DDLDML

Field	Picture	Description
02 USER-NAME-021	**X(32) DISPLAY**	Destination component identifier.
02 SEND-LST-FLAG-021	**X(8) BIT**	Flag that references the component identified in USER-NAME-021.
		X'80' — Component is a logical terminal X'40' — Component will be deleted on the next execution of the system generation GENERATE statement X'20' — Component has been added or deleted since the last execution of the system generation GENERATE statement X'08' — Component is a user X'04' — Component is a printer X'02' — Component is a switch
02 FILLER	**X(3) DISPLAY**	

3.125 SETACT-061

Description: SETACT-061 is a junction record that relates a subschema set to a program that accesses the set.

Record length: 40

Established by: IDD DDDL compiler, DML precompilers, CA-ADS dialog compiler

Member of: PROG-SETACT, SSOR-SETACT

Location mode: VIA set PROG-SETACT

Within area: DDLDML

Field	Picture	Description
02 SA-FUNCT-061	**S9(4) COMP SYNC**	Function code indicating the DML command issued by the program. The function code for each DML command except OBTAIN is the major DML verb number; the function code for OBTAIN is 43. If a FIND or OBTAIN verb is modified by the KEEP parameter, the function code is the FIND or OBTAIN function code plus 20.
88 FIND-061	**COND VALUE +03**	
88 KEEP-061	**COND VALUE +06**	
88 CONNECT-061	**COND VALUE +07**	
88 DISCONNECT-061	**COND VALUE +11**	
88 ACCEPT-061	**COND VALUE +15**	
88 IF-SET-061	**COND VALUE +16**	
88 RETURN-061	**COND VALUE +17**	
88 FIND-KEEP-061	**COND VALUE +23**	
88 OBTAIN-061	**COND VALUE +43**	

Field	Picture	Description
88 OBTAIN-KEEP-061	**COND VALUE +63**	
02 SA-COUNT-061	**S9(4) COMP SYNC**	Number of times that the program issues the verb indicated by SA-FUNCT-061.
02 SA-SET-OWN-061	**X(32) DISPLAY**	Name of the subschema set that owns the SETACT-061 occurrence.
02 FILLER	**X(4) DISPLAY**	

3.126 SEXT-DCS-140

Description: The SEXT-DCS-140 record type is used to store queue record data for DDLDCRUN area queue records with more than 500 bytes of data. SEXT-DCS-140 occurrences serve as extensions to SROOT-DCS-139 occurrences; for more information on storing queue record data, see "SROOT-DCS-139" later in this chapter.

Record length: 500

Established by: CA-IDMS products and user application programs that run under CA-IDMS/DC

Member of: SROOT-SEXT

Location mode: VIA set SROOT-SEXT

Within area: DDLDCRUN

Field	Picture	Description
02 SRFUDATA-140	X(25) DISPLAY OCCURS 20 TIMES	500 bytes of queue record data.

3.127 SFK-037

Description: SFK-037 is the logical extension of SMR-052 (schema member record) defining a foreign key field for primary/foreign key sets.

Record length: 100

Established by: Schema compiler

Member of: SDR-SCR, SMR-SFK

Location mode: VIA set SMR-SFK

Within area: DDLDML

Field	Picture	Description
02 FK-POS-037	S9(4) COMP SYNC	Leftmost position of the foreign key field in the record, relative to 0, including the record prefix.
02 FK-LGTH-037	S9(4) COMP SYNC	Length of the foreign key field in the record.
02 DATA-TYPE-037	S9(4) COMP SYNC	SQL data type of the foreign key field.
02 PRECISION-037	S9(4) COMP SYNC	SQL precision of the foreign key field.
02 SCALE-037	S9(4) COMP SYNC	SQL scale of the foreign key field.
02 FK-NULL-037	S9(4) COMP SYNC	Nullable field indicator. 0 = Not nullable 1 = Nullable
02 FK-NAME-037	X(32) DISPLAY	Foreign key field name in the schema record.
02 PK-NAME-037	X(32) DISPLAY	Primary key field name in the schema record.
02 FILLER	X(24) DISPLAY	(Reserved).

3.128 SMR-052

Description: SMR-052 is a junction record that relates schema records to the schema sets in which the records participate as members. Each SMR-052 occurrence represents a set member.

Record length: 80

Established by: IDMSDIRL, schema compiler, ASF

Owner of: SMR-SCR

Member of: SOR-SMR, SRCD-SMR

Location mode: VIA set SRCD-SMR

Within area: DDLDML

Field	Picture	Description
02 SET-NAM-052	X(32) DISPLAY	Set name.
02 NXT-DBK-052	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the next-of-set pointer. If this field contains -1, the set member does not have a next pointer; this is possible only for native VSAM records.
02 PRI-DBK-052	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the prior-of-set pointer. If this field contains -1, the set member does not have a prior pointer.
02 OWN-DBK-052	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the owner-of-set pointer. If this field contains -1, the set member does not have an owner pointer.
02 SMR-ID-052	S9(4) COMP SYNC	Schema record id of the member record.

Field	Picture	Description
02 DUP-052	**S9(4) COMP SYNC**	Duplicates indicator for sorted sets. The value in this field indicates how CA-IDMS/DB handles member record occurrences with duplicate sort control keys. -1 The set is not a sorted set. 0 Duplicates are not allowed. 1 Duplicates are stored first. 2 Duplicates are stored last. 3 The set is unordered (VSAM index/VSAM calc). 4 Duplicates are stored by dbkey (index).
02 MR-CNTRL-052	**S9(4) COMP SYNC**	Membership control indicator. -1 Membership control was not specified. +0 Set connections are mandatory and automatic. +1 Set connections are mandatory and manual. +2 Set connections are optional and automatic. +3 Set connections are optional and manual.
02 ORD-052	**S9(4) COMP SYNC**	Set order indicator. 0 The set order is first, last, or sorted. 1 The set order is next or prior.
02 VIA-052	**S9(4) COMP SYNC**	VIA indicator. 0 The record is not stored VIA the set defined by the SMR-052 occurrence. 1 The record is stored VIA the set defined by the SMR-052 occurrence.
02 CALC-052	**S9(4) COMP SYNC**	CALC indicator. 0 The SMR-052 occurrence does not represent the record's membership in the CALC set. 1 The SMR-052 occurrence represents the record's membership in the CALC set; when this field contains 1, the VIA-052 field also contains 1.
02 OWNER-LINKED-052	**S9(4) COMP SYNC**	Owner linkage indicator. 0 The member record does not have an owner pointer. 1 The member record has an owner pointer.

Field	Picture	Description
02 INDEX-052	**S9(4) COMP SYNC**	Reserved field used for the implementation of inverted lists in CA-IDMS/DB internal indexing. -1 Null 0 Sorted on symbolic uncompressed 1 Sorted on symbolic compressed 2 Sorted on database key
02 KEY-LGTH-052	**S9(4) COMP SYNC**	Total length of the sort control-key elements for the member record.
02 SORT-052	**S9(4) COMP SYNC**	Sorting sequence. +0 Standard sort sequence or unsorted. +1 Natural sort sequence.
02 FK-LGTH-052	**S9(4) COMP SYNC**	Total length of foreign key.
02 SET-TYPE-052	**S9(4) COMP SYNC**	Set type. 0 = Standard set 1 = Primary/foreign key 2 = Referential
02 FILLER	**X(2) DISPLAY**	
02 STAT-MEM-NUM-DISTINCT-KEYS-052	**S9(8) USAGE COMP SYNC**	The number of member records with unique key values in this set.
02 STAT-MEM-AVG-ROWS-SET-052	**USAGE COMP-1**	The average number of member records per set occurrence.
02 STAT-MEM-AVG-PAGES-KEY-052	**USAGE COMP-1**	The average number of pages occupied by records with the same key value.
02 STAT-MEM-AVG-CLUSTER-COUNT-052	**USAGE COMP-1**	For a non-calc index, the average number of I/Os required to read all rows of the indexed record, if 5 buffer pages were available.

3.129 SOR-046

Description: Occurrences of the SOR-046 record type represent schema sets.

Record length: 184

Established by: IDMSDIRL, schema compiler, ASF

Owner of: SOR-SMR, SOR-SSOR

Member of: S-SOR, SRCD-SOR

Location mode: CALC using SET-NAM-046

Within area: DDLDML

Field	Picture	Description
02 SET-NAM-046	**X(32) DISPLAY**	Set name.
02 SET-ORD-046	**S9(4) COMP SYNC**	Set order.
88 LAST-PRIOR-046	**COND VALUE +0**	
88 SORTED-046	**COND VALUE +1**	
88 FIRST-NEXT-046	**COND VALUE +2**	
02 NXT-DBK-046	**S9(4) COMP SYNC**	Database-key position in the owner record prefix (relative to 0) to be used for the next-of-set pointer. If this field contains -1, the set member does not have a next pointer; this is possible only for native VSAM records.
02 PRI-DBK-046	**S9(4) COMP SYNC**	Database-key position in the owner record prefix (relative to 0) to be used for the prior-of-set pointer. If this field contains -1, the set owner does not have a prior pointer.
02 SOR-ID-046	**S9(4) COMP SYNC**	Schema record id of the owner record.
02 DELETION-046	**S9(4) COMP SYNC**	Reserved.
88 READ-WRITE-046	**COND VALUE +0**	

Field	Picture	Description
88 DELETE-NO-046	**COND VALUE +1**	
88 MOD-STORE-NO-046	**COND VALUE +2**	
02 ORD-046	**S9(4) COMP SYNC**	Set order indicator. If this field contains 0, the set order is first, last, or sorted. If this field contains 1, the set order is next or prior.
02 SORT-046	**S9(4) COMP SYNC**	Sorted set indicator. If this field contains +0, the set is sorted. If this field contains +1, the set is not sorted.
02 S-NAME-046	**DISPLAY**	Schema identification.
03 S-NAM-046	**X(8) DISPLAY**	Schema name.
03 S-SER-046	**S9(4) COMP SYNC**	Schema version number.
02 SET-MODE-046	**S9(4) COMP SYNC**	Bit flags indicating the set mode. X'0020' MODE IS VSAM INDEX X'0010' MODE IS INDEX X'0008' MODE IS CHAIN X'0004' Owner pointers allowed X'0002' Prior pointers required X'0001' Next pointers required The set mode bit flags can be set only in the following combinations: X'0020' MODE IS VSAM INDEX X'0015' MODE IS INDEX X'000D' MODE IS CHAIN X'000F' MODE IS CHAIN LINKED TO PRIOR
02 INDEX-MEMBERS-046	**S9(4) COMP SYNC**	Number of entries in each bottom-level internal index record of an indexed set.
02 INDEX-DISP-046	**S9(4) COMP SYNC**	Displacement, in pages, of internal index records from their owner record.
02 SYMBOL-INDEX-046	**X(18) DISPLAY**	Name of the symbol that contains subarea information for the system-owned index.
02 PAGE-OFFSET-PERCENT-046	**S9(4) COMP SYNC**	Offset, as a percentage, into the schema area page range of the page range to which the system-owned index is assigned. If a percentage is not specified, this field contains -1.

Field	Picture	Description
02 PAGE-COUNT-PERCENT-046	**S9(4) COMP SYNC**	Percentage of the schema area page range included in the page range to which the system-owned index is assigned. If a percentage is not specified, this field contains -1.
02 PAGE-OFFSET-046	**S9(8) COMP SYNC**	Offset, relative to 0, into the schema area page range of the page range to which the system-owned index is assigned. If an offset is not specified, this field contains -1.
02 PAGE-COUNT-046	**S9(8) COMP SYNC**	Number of pages in the schema area page range included in the page range to which the system-owned index is assigned. If a number of pages is not specified, this field contains 0.
02 SUBAREA-042	**X(18) DISPLAY**	Symbolic subarea name.
02 SA-NAM-046	**X(32) DISPLAY**	Name of the schema area to which the system-owned index is assigned.
02 INDEXID-046	**S9(4) COMP SYNC**	Index ID number.
02 SET-TYPE-046	**S9(4) COMP SYNC**	Set type. (Reserved for future use)
02 PK-NAME-046	**X(18) DISPLAY**	Primary key for the set (CALC or index set name)
02 FILLER	**X(20) DISPLAY**	

3.130 SR-036

Description: Occurrences of the SR-036 record type represent records, reports, and transactions. When a schema is compiled, SR-036 occurrences are created for certain system internal records. Three system internal record types, SR1, SR6, and SR7, occur in all schemas. SR1 is the owner of the CALC set; the SR1 occurrence in a schema owns all the CALC records in the schema. SR6 is a dummy record that is used for internal schema processing; one SR6 occurrence is included in each schema. SR7 owns all the system-owned indexes in a schema; one SR7 occurrence is included in each schema.

Record length: 184

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Owner of: SR-EXPL, SR-IMPL, SR-RCDATTR, SR-RCDCMT, SR-RCDSYN, SR-SDR, SR-USERRCD

Member of: OOAK-SR

Location mode: CALC using SR-NAM-036

Within area: DDLDML

Field	Picture	Description
02 SR-NAM-036	**X(32) DISPLAY**	Record name.
02 OCCURS-036	**S9(8) COMP SYNC**	Estimated number of occurrences. This field is completed only by the IDD DDDL compiler.
02 RCD-VERS-036	**S9(4) COMP SYNC**	Record version number.
02 DLGTH-036	**S9(4) COMP SYNC**	Length, in bytes, of the data portion of the record.

Field	Picture	Description
02 BUILDER-036	**X(1)** **DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.) The value in this field is used as an ownership code for IDD-built records. An IDD-built record initially has a builder code of D. If an IDD-built record is copied into a map by the CA-IDMS/DC mapping compiler, the builder code in the record is changed to C. If an IDD-built record is copied into a schema by the schema compiler or into both a schema and a map, the builder code in the record is changed to S. The IDD DDDL compiler can make only nonstructural modifications to a record with a builder code other than D. When all schemas and maps into which an IDD-built record has been copied are deleted, the builder code in the record reverts to its original value; the IDD DDDL compiler is then free to make structural modifications to the record.
02 DESCR-036	**X(40)** **DISPLAY**	Record description.
02 DATE-LU-036	**X(8)** **DISPLAY**	Date last updated.
02 RECTYPE-036	**X(16)** **DISPLAY**	Storage medium (for example, TAPE or DISK). This field is completed only by the IDD DDDL compiler.
02 REC-FORMAT-036	**X(1)** **DISPLAY**	Record type. If this field contains the character F, the record is fixed length. If this field contains the character V, the record is variable length.
02 ALT-PIC-TYPE-036	**S9(4) COMP** **SYNC**	Picture format for elements that participate in the record. If this field contains 0, the primary picture format is used. If this field contains 1, 2, 3, or 4, the first, second, third, or fourth alternate picture format, respectively, is used.
02 DATE-CREATED-036	**X(8)** **DISPLAY**	Date established.
02 PREP-BY-036	**X(8)** **DISPLAY**	User who added the record.
02 REV-BY-036	**X(8)** **DISPLAY**	User who last updated the record.

Field	Picture	Description
02 ENT-TYPE-036	**X(1) DISPLAY**	Entity type. If this field contains the character R, the SR-036 occurrence represents a report. If this field contains the character T, the SR-036 occurrence represents a transaction. If this field contains a blank, the SR-036 occurrence represents a record.
02 ERR-036	**9(1) DISPLAY**	Error flag. If this field contains 1, the record contains errors and is not available for use by the schema and mapping compilers. If this field contains 0, the record contains no errors.
02 TIME-LU-036	**X(8) DISPLAY**	Time last updated.
02 PUB-ACCESS-FLAG-036	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FLAG-036	**X(8) BIT**	Record flag. X'80' — SQL synonym defined
02 USER-COUNT-036	**S9(4) COMP SYNC**	Count of users registered for all.
02 FILLER	**X(2) DISPLAY**	
02 LOGICAL-RECORD-USE-COUNT-036	**S9(8) COMP SYNC**	Number of logical records in which the IDD record participates directly.
02 FILLER	**X(32) DISPLAY**	

3.131 SRCALL-040

Description: Occurrences of the SRCALL-040 record type document database procedures to be called for the owner schema record in the SRCD-SRCALL set.

Record length: 32

Established by: IDMSDIRL, schema compiler

Member of: SRCD-SRCALL

Location mode: VIA set SRCD-SRCALL

Within area: DDLDML

Field	Picture	Description
02 CALL-SEQ-CTL-040	**DISPLAY**	Control key for the SRCD-SRCALL sorted set.
03 CALL-TIME-040	**X(2)** **DISPLAY**	Call time. 00 BEFORE 01 ON ERROR 02 AFTER
03 SEQ-040	**9(6) DISPLAY**	Database procedure sequence number. Each database procedure called for a record is assigned a sequence number; the sequence numbers start at 1 for each record and are incremented by 1.
02 CALL-PROC-040	**X(8)** **DISPLAY**	Database procedure name.
02 DBP-FUNC-040	**X(16)** **DISPLAY**	DML verb for which the database procedure is called. If this field contains blanks, the database procedure is called for all DML verbs.

3.132 SRCD-113

Description: SRCD-113 is a junction record that relates record synonyms to schemas; each SRCD-113 occurrence represents a schema record. All records in the dictionary must be associated with a schema. IDD-built records are connected to a dummy schema called 'NON IDMS' version 1.

Record length: 160

Established by: IDMSDIRL, IDD DDDL compiler, schema compiler, ASF

Owner of: SRCD-SAM, SRCD-SMR, SRCD-SOR, SRCD-SRCALL, SRCD-SSR

Member of: RCDSYN-SRCD, S-SRCD

Location mode: VIA set S-SRCD

Within area: DDLDML

Field	Picture	Description
02 S-NAME-113	**DISPLAY**	Schema identification.
03 S-NAM-113	**X(8)** **DISPLAY**	Schema name.
03 S-SER-113	**S9(4) COMP** **SYNC**	Schema version number.
02 SR-ID-113	**S9(4) COMP** **SYNC**	Schema record id.
02 MODE-113	**S9(4) COMP** **SYNC**	Location mode.
88 LOC-NULL-113	**COND** **VALUE -1**	
88 LOC-VIA-113	**COND** **VALUE +0**	
88 LOC-CALC-113	**COND** **VALUE +1**	
88 LOC-DIRECT-113	**COND** **VALUE +2**	
88 LOC-VSAM-DIR-113	**COND** **VALUE +3**	
88 LOC-VSAM-CALC-113	**COND** **VALUE +4**	

Field	Picture	Description
02 RLGTH-113	**S9(4) COMP SYNC**	Schema record length, in bytes, including the record prefix.
02 DSPL-113	**S9(4) COMP SYNC**	Displacement, in pages, at which VIA records are stored from the owner of the VIA set.
02 DLGTH-113	**S9(4) COMP SYNC**	Length, in bytes, of the data portion of the schema record. For variable-length records and for fixed-length compressed records, the value in this field includes the four-byte prefix that indicates the stored length of the record.
02 DSTRT-113	**S9(4) COMP SYNC**	Offset, relative to 0, of the data portion of the schema record from the start of the record (including the prefix).
02 DEL-113	**S9(4) COMP SYNC**	Deletion flag for system internal records.
88 DELETE-YES-113	**COND VALUE +0**	The record can be deleted.
88 DELETE-NO-113	**COND VALUE +1**	The record cannot be deleted.
02 KLGTH-113	**S9(4) COMP SYNC**	Length, in bytes, of the prefix portion of the schema record.
02 CNTRL-END-113	**S9(4) COMP SYNC**	Control length end. The value in this field is the number of bytes in the data portion of the schema record up to and including the last element that is used as a control key for a sorted set or for a CALC record.
02 FIXED-END-113	**S9(4) COMP SYNC**	Length, in bytes, of the fixed portion of the schema record. For fixed-length records, the value in this field is equal to the value in the DLGTH-113 field. For records with an OCCURS DEPENDING ON data field, the value in this field is the last byte of the fixed portion of the record.
02 MIN-ROOT-113	**S9(4) COMP SYNC**	Minimum root length, including the schema record prefix.
02 MIN-FRAG-113	**S9(4) COMP SYNC**	Minimum fragment length, including the four-byte fragment chain pointer.
02 PAGE-OFFSET-PERCENT-113	**S9(4) COMP SYNC**	Offset, as a percentage, into the schema area page range of the page range to which the schema record is assigned. If a percentage is not specified, this field contains -1.

Field	Picture	Description
02 PAGE-COUNT-PERCENT-113	**S9(4) COMP SYNC**	Percentage of the schema area page range included in the page range to which the schema record is assigned. If a percentage is not specified, this field contains -1.
02 FLAG-113	**X(8) BIT**	Schema record flag. X'40' — Initial flag setting X'01' — PRESSTO DCTABLE defined in SSC
02 FILLER	**X(1) DISPLAY**	
02 MODE-ID-113	**X(32) DISPLAY**	Set name, for schema records with a location mode of VIA.
02 REC-TYPE-113	**X(1) DISPLAY**	Schema record type.
88 FIX-LEN-113	**COND VALUE 'F'**	
88 VAR-LEN-113	**COND VALUE 'V'**	
02 ERR-113	**9(1) DISPLAY**	Error flag. If this field contains 1, errors were detected in the record during schema compiler execution. If this field contains 0, no errors were detected in the record during schema compiler execution.
02 VSAM-TYPE-113	**X(1) DISPLAY**	VSAM schema record type. If this field is blank, the record is not a VSAM record.
88 FIX-NONSPAN-113	**COND VALUE 'A'**	
88 FIX-SPAN-113	**COND VALUE 'B'**	
88 VAR-NONSPAN-113	**COND VALUE 'C'**	
88 VAR-SPAN-113	**COND VALUE 'D'**	
02 FILLER	**X(1) DISPLAY**	
02 PAGE-OFFSET-113	**S9(8) COMP SYNC**	Offset, relative to 0, into the schema area page range of the page range to which the schema record is assigned. If an offset is not specified, this field contains -1.

Field	Picture	Description
02 PAGE-COUNT-113	**S9(8) COMP SYNC**	Number of pages in the schema area page range included in the page range to which the schema record is assigned. If a number of pages is not specified, this field contains -1.
02 SYMBOL-DISPLACE-113	**X(18) DISPLAY**	Name of the symbol that defines the VIA displacement for the record.
02 SUBAREA-113	**X(18) DISPLAY**	Name of the symbol that contains subarea information for the record.
02 EST-RECS-113	**S9(8) COMP SYNC**	Estimated number of record occurrences.
02 STAT-REC-NUM-PAGES-113	**S9(8) USAGE COMP SYNC**	The max number of pages that can contain this record.
02 STAT-REC-NUM-PAGES-USED-113	**S9(8) USAGE COMP SYNC**	The actual number of pages containing this record.
02 STAT-REC-NUM-ROWS-113	**S9(8) USAGE COMP SYNC**	The number of occurrences of this record type.
02 STAT-REC-AVG-LENGTH-113	**USAGE COMP-1**	The average record length.
02 STAT-REC-PCT-USED-113	**USAGE COMP-1**	The percentage of the space used by this record in its area.
02 STAT-REC-PCT-FRAG-113	**USAGE COMP-1**	The percentage of the records that are fragmented.
02 FILLER	**X(12) DISPLAY**	

3.133 SROOT-DCS-139

Description: Occurrences of the SROOT-DCS-139 record type represent queue records in the DDLDCRUN area; SROOT-DCS-139 is the queue record root. When storing a queue record, the system calculates the number of 500-byte blocks of data that the record comprises. The beginning of the queue record (that is, the first 500 or fewer bytes of data, as determined by the remainder in the calculation) is stored in the queue record root. If the queue record comprises more than 500 bytes of data, the remaining data is stored in SEXT-DCS-140 occurrences in blocks of 500 bytes.

Record length: 520

Established by: CA-IDMS products and user application programs that run under CA-IDMS/DC

Owner of: SROOT-SEXT

Member of: QUEUE-SROOT

Location mode: DIRECT

Within area: DDLDCRUN

Field	Picture	Description
02 SRHKEY-139	**DISPLAY**	Queue record control information.
03 SRHDCVID-139	**S9(4) COMP SYNC**	Version number of the CA-IDMS/DC system under which the queue record was stored.
03 SRHNFBLK-139	**S9(4) COMP SYNC**	Number of SEXT-DCS-140 occurrences owned by the SROOT-DCS-139 occurrence.
03 SRHVSIZE-139	**S9(4) COMP SYNC**	Number of bytes of data stored in the SROOT-DCS-139 occurrence (that is, in the queue record root).
03 FILLER	**X(2) DISPLAY**	
03 SRHSAID-139	**X(8) DISPLAY**	Unused.
03 SRHSRID-139	**S9(8) COMP SYNC**	Unused.

Field	Picture	Description
02 SRHUDATA-139	**X(1) DISPLAY OCCURS 0 TO 500 TIMES DEPENDING ON SRHVSIZE-139**	Up to 500 bytes of queue record data.

3.134 SS-026

Description: Occurrences of the SS-026 record type represent subschemas.

Record length: 176

Established by: IDMSDIRL, subschema compiler, ASF

Owner of: SS-ACCESS, SS-LR, SS-SSA, SS-SSATTR, SS-SSCMT, SS-SSOR, SS-SSPROC, SS-SSPROG, SS-SSR, SS-USERSS

Member of: S-SS

Location mode: CALC using SS-NAM-026

Within area: DDLDML

Field	Picture	Description
02 SS-NAM-026	**X(8) DISPLAY**	Subschema name.
02 MACH-026	**S9(4) COMP SYNC**	Type of machine on which the subschema was compiled.
02 S-NAME-026	**DISPLAY**	Schema identification.
03 S-NAM-026	**X(8) DISPLAY**	Schema name.
03 S-SER-026	**S9(4) COMP SYNC**	Schema version number.
02 FILLER	**X(8) DISPLAY**	
02 DML-CTRL-026	**X(1) DISPLAY**	Subschema authorization. If this field contains 1, programs that reference the subschema must be registered with the subschema before they can be processed by the DML precompilers. If this field contains 0, programs that reference the subschema do not have to be registered with the subschema.
02 SS-VERSION-026	**99V99 DISPLAY**	Release number (for example, 10.00) of the subschema compiler used to compile the subschema.
02 DATE-CREATED-026	**X(8) DISPLAY**	Date established.
02 TIME-CREATED-026	**X(8) DISPLAY**	Time established.

Field	Picture	Description
02 ERR-026	**9(1) DISPLAY**	Subschema error flag. If this field contains 1, either the subschema has not been validated or the subschema contains errors; in either case, the subschema is not available for use by the DML precompilers. If this field contains 0, the subschema contains no errors.
02 COUNTS-026	**DISPLAY**	Counts of the control blocks that comprise the subschema tables.
03 SR-COUNT-026	**S9(4) COMP SYNC**	Number of Record Definition Blocks (SR51).
03 AC-COUNT-026	**S9(4) COMP SYNC**	Number of Area Definition Blocks (AC56).
03 AM-COUNT-026	**S9(4) COMP SYNC**	Number of Area Membership Definition Blocks (AM57).
03 PC-COUNT-026	**S9(8) COMP SYNC**	Number of Procedure Definition Blocks (PC70).
03 RP-COUNT-026	**S9(8) COMP SYNC**	Number of Record Procedure Junction Blocks (RP71).
03 AP-COUNT-026	**S9(8) COMP SYNC**	Number of Area Procedure Junction Blocks (AP72).
03 OR-COUNT-026	**S9(8) COMP SYNC**	Number of Set Definition Blocks (OR52).
03 MR-COUNT-026	**S9(8) COMP SYNC**	Number of Member Record Definition Blocks (MR53).
03 CR-COUNT-026	**S9(8) COMP SYNC**	Number of Sorted Record Control Descriptors (CR55).
03 FD1-COUNT-026	**S9(8) COMP SYNC**	Number of Field Segment Definition Blocks (FD54) for fixed-length segments.
03 FD2-COUNT-026	**S9(8) COMP SYNC**	Number of Field Segment Definition Blocks (FD54) for variable-length segments.
02 LR-NSI-026	**X(1) DISPLAY**	Logical record currency flag. If this field contains 0, logical record currency is reset before a path is repeated. If this field contains 1, logical record currency is not reset before a path is repeated.

Field	Picture	Description
02 LRACCESS-026	**9(1) DISPLAY**	Logical record access indicator. If this field contains 0, programs using the subschema can access both logical records and subschema records. If this field contains 1, programs using the subschema can access only logical records. If this field contains 2, programs using the subschema can access only subschema records.
02 FILLER	**X(10) DISPLAY**	
02 DESCR-026	**X(40) DISPLAY**	Subschema description.
02 DATE-LU-026	**X(8) DISPLAY**	Date last updated.
02 TIME-LU-026	**X(8) DISPLAY**	Time last updated.
02 PREP-BY-026	**X(8) DISPLAY**	User who added the subschema.
02 REV-BY-026	**X(8) DISPLAY**	User who last updated the subschema.
02 PUB-ACCESS-FLAG-026	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FLAG-026	**X(8) BIT**	Subschema flag. X'40' — Initial flag setting X'01' — PRESSTO DCTABLE defined in SSC
02 USER-COUNT-026	**S9(4) COMP SYNC**	Count of users registered for all.

3.135 SSA-024

Description: Occurrences of the SSA-024 record type represent schema areas that have been copied into a subschema.

Record length: 112

Established by: IDMSDIRL, subschema compiler, ASF

Owner of: SSA-AFACT, SSA-SSACALL, SSA-SSAM

Member of: SA-SSA, SS-SSA

Location mode: CALC using SSA-CNTRL-024

Within area: DDLDML

Field	Picture	Description
02 SSA-CNTRL-024	**DISPLAY**	CALC key.
03 SS-NAM-024	**X(8) DISPLAY**	Subschema name.
03 SSA-NAM-024	**X(32) DISPLAY**	Schema area name.
02 AR-ID-024	**S9(4) COMP SYNC**	Subschema area sequence number. Each schema area copied into a subschema is assigned a sequence number; the sequence numbers start at 10 for each subschema and are incremented by 1.
02 FILLER	**X(2) DISPLAY**	
02 SSA-LOK-024	**S9(8) COMP SYNC**	Privacy lock bits. The bits in this field correspond to database activities. If a given bit is set (equal to 1), the corresponding activity is not allowed for the subschema area represented by the SSA-024 occurrence. X'00000100' READY SHARED RETRIEVAL X'00000200' READY PROTECTED RETRIEVAL X'00000400' READY EXCLUSIVE RETRIEVAL X'00000800' READY SHARED UPDATE X'00001000' READY PROTECTED UPDATE X'00002000' READY EXCLUSIVE UPDATE
02 S-NAME-024	**DISPLAY**	Schema identification.

Field	Picture	Description
03 S-NAM-024	**X(8) DISPLAY**	Schema name.
03 S-SER-024	**S9(4) COMP SYNC**	Schema version number.
02 DEF-USAGE-024	**S9(4) COMP SYNC**	Default usage mode. 0 No usage mode specified +36 Update +37 Retrieval +38 Protected update +39 Protected retrieval +40 Exclusive retrieval +41 Exclusive update
02 AP-COUNT-024	**S9(8) COMP SYNC**	Number of Area Procedure Junction Blocks (AP72) required for the area in the subschema tables.
02 SEGMENT-024	**X(8) DISPLAY**	Bound to segment name. (Reserved for future use)
02 FILLER	**X(40) DISPLAY**	

3.136 SSACALL-019

Description: SSACALL-019 is a junction record that relates a subschema area to a database procedure that is called for the area.

Record length: 16

Established by: IDMSDIRL, subschema compiler

Member of: SSA-SSACALL, SSPROC-SSACALL

Location mode: VIA set SSA-SSACALL

Within area: DDLDML

Field	Picture	Description
02 CALL-MODE-019	**S9(4) COMP SYNC**	Usage mode of the READY verb for which the database procedure is called; this field is meaningful only when CALL-FUNC-019 contains the DML verb number for READY. If this field contains +0, the database procedure is called for READY verbs with a usage mode of RETRIEVAL or UPDATE.
88 RETRIEVAL-019	**COND VALUE +1**	
88 UPDATE-019	**COND VALUE +2**	
02 CALL-ACCESS-019	**S9(4) COMP SYNC**	Access mode of the READY verb for which the database procedure is called; this field is meaningful only when CALL-FUNC-019 contains the DML verb number for READY. If this field contains +0, the database procedure is called for READY verbs with any access mode.
88 SHARED-019	**COND VALUE +1**	
88 EXCLUSIVE-019	**COND VALUE +2**	
88 PROTECTED-019	**COND VALUE +3**	

Field	Picture	Description
02 CALL-ID-019	**S9(8) COMP SYNC**	Subschema area database procedure sequence number. Each database procedure called for a subschema area is assigned a sequence number; the sequence numbers start at 1 for each subschema area and are incremented by 1.
02 CALL-TIME-019	**X(2) DISPLAY**	Call time. C'BF' BEFORE C'ER' ON ERROR C'AF' AFTER
02 CALL-FUNC-019	**9(2) DISPLAY**	Verb number of the DML verb for which the database procedure is called. If this field contains 0, the database procedure is called for all DML verbs.
02 FILLER	**X(4) DISPLAY**	

3.137 SSAM-066

Description: SSAM-066 is a junction record that relates subschema records to subschema areas.

Record length: 8

Established by: IDMSDIRL, subschema compiler, ASF

Member of: SSA-SSAM, SSR-SSAM

Location mode: VIA set SSA-SSAM

Within area: DDLDML

Field	Picture	Description
02 AM-ID-066	**S9(8) COMP SYNC**	Subschema record-to-area mapping identifier. The value in this field is equal to the record id concatenated with 0001. For the system internal record SR7, the value in this field is equal to the record id (7) concatenated with a four-digit sequence number; the sequence numbers start at 0001 and are incremented by 0001.
02 FILLER	**X(4) DISPLAY**	

3.138 SSATTR-183

Description: SSATTR-183 is the attribute junction record for the SS-026 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: Subschema compiler

Member of: ATTR-JCT, SS-SSATTR

Location mode: VIA set SS-SSATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-183	**X(40) DISPLAY**	User-supplied junction text.

3.139 SSCMT-184

Description: SSCMT-184 is the comment record associated with the SS-026 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: Subschema compiler

Member of: SS-SSCMT

Location mode: VIA set SS-SSCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-184	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-184	**DISPLAY**	
03 CMT-INFO-184	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-184	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.140 SSCR-070

Description: SSCR-070 is a logical extension of the SSMR-068 record type. Each SSCR-070 occurrence defines a control-key element for a sorted set or a CALC record.

Record length: 80

Established by: IDMSDIRL, subschema compiler

Member of: SSMR-SSCR

Location mode: VIA set SSMR-SSCR

Within area: DDLDML

Field	Picture	Description
02 CR-ID-070	**S9(8) COMP SYNC**	Control-key element identifier. The value in this field is equal to the record ID concatenated with a three-digit sequence number; the sequence numbers start at 001 for each record and are incremented by 001.
02 SSCR-POS-070	**S9(4) COMP SYNC**	Leftmost position of the control-key element within the record. The value in this field is relative to 0; the record prefix (that is, the database-key positions) is included in the calculation. If this field contains -4, the control key is the database key for indexes sorted on database key.
02 SSCR-LGTH-070	**S9(4) COMP SYNC**	Length of the control-key element.
02 DATA-TYPE-070	**S9(4) COMP SYNC**	SQL data type of the key field.
02 PRECISION-070	**S9(4) COMP SYNC**	SQL precision of the key field.
02 SCALE-070	**S9(4) COMP SYNC**	SQL scale of the key field.
02 SORT-070	**S9(4) COMP SYNC**	Sorting sequence. If this field contains +0, the set is sorted in ascending order. If this field contains +1, the set is sorted in descending order.

Field	Picture	Description
02 INDEX-070	**S9(4) COMP SYNC**	Reserved field used for the implementation of inverted lists in CA-IDMS/DB internal indexing.
		-1 Null 0 Sorted on symbolic uncompressed 1 Sorted on symbolic compressed 2 Sorted on database key
02 SSCR-NAM-070	**X(32) DISPLAY**	Control-key record element name.
02 FILLER	**X(30) DISPLAY**	

3.141 SSFK-076

Description: SSFK-076 is the logicial extension of the SSMR-068 (subschema member record) defining the foreign key field for primary/foreign key sets.

The SSFK-076 record type is reserved for future use.

Record length: 100

Established by: Subschema compiler (future use)

Member of: SSMR-SSFK

Location mode: VIA set SSMR-SSFK

Within area: DDLDML

Field	Picture	Description
02 FK-ID-076	S9(8) COMP SYNC	Concatenation of the record ID of the member record and the 3-digit sequence number.
02 FK-POS-076	S9(4) COMP SYNC	Leftmost position of the foreign key field in the record, relative to 0, including the record prefix.
02 FK-LGTH-076	S9(4) COMP SYNC	Length of the foreign key field in the record.
02 DATA-TYPE-076	S9(4) COMP SYNC	SQL data type of the foreign key field.
02 PRECISION-076	S9(4) COMP SYNC	SQL precision of the foreign key field.
02 SCALE-076	S9(4) COMP SYNC	SQL scale of the foreign key field.
02 FK-NULL-076	S9(4) COMP SYNC	Nullable field indicator. 0 = Not nullable 1 = Nullable
02 FK-NAME-076	X(32) DISPLAY	Foreign key field name in the schema record.
02 PK-NAME-076	X(32) DISPLAY	Primary key field name in the schema record.
02 FILLER	X(20) DISPLAY	(Reserved).

3.142 SSMR-068

Description: SSMR-068 is a junction record that relates subschema records to the subschema sets in which the records participate as members. Each SSMR-068 occurrence represents a subschema set member.

Record length: 80

Established by: IDMSDIRL, subschema compiler

Owner of: SSMR-SSCR

Member of: SSOR-SSMR, SSR-SSMR

Location mode: VIA set SSOR-SSMR

Within area: DDLDML

Field	Picture	Description
02 MR-ID-068	S9(8) COMP SYNC	Subschema set member record identifier. The value in this field is equal to the record id concatenated with a three-digit sequence number; the sequence numbers start at 001 for each record and are incremented by 001.
02 NXT-DBK-068	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the next-of-set pointer. If this field contains -1, the set member does not have a next pointer; this is possible only for native VSAM records.
02 PRI-DBK-068	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the prior-of-set pointer. If this field contains -1, the subschema set member does not have a prior pointer.
02 OWN-DBK-068	S9(4) COMP SYNC	Database-key position in the member record prefix (relative to 0) to be used for the owner-of-set pointer. If this field contains -1, the subschema set member does not have an owner pointer.

Field	Picture	Description
02 DUP-068	**S9(4) COMP SYNC**	Duplicates indicator for sorted sets. -1 The set is not a sorted set. 0 Duplicates are not allowed. 1 Duplicates are stored first. 2 Duplicates are stored last. 3 The set is unordered (VSAM index/VSAM calc). 4 Duplicates are stored by db-key (index).
02 MCTL-068	**S9(4) COMP SYNC**	Membership control indicator. -1 Membership control was not specified. +0 Set connections are mandatory and auto-matic. +1 Set connections are mandatory and manual. +2 Set connections are optional and automatic. +3 Set connections are optional and manual.
02 ORD-068	**S9(4) COMP SYNC**	Subschema set order indicator. 0 Set order is first, last, or sorted. 1 Set order is next or prior.
02 VIA-068	**S9(4) COMP SYNC**	VIA and CALC set indicator. The value in this field indicates whether the SSMR-068 occurrence represents the record's membership in a VIA set or in the CALC set. 0 Neither VIA nor CALC 2 VIA set membership 3 CALC set membership
02 SR-068	**S9(4) COMP SYNC**	Schema record id for dummy subschema set members. When not all member record types of a subschema set are included in the subschema, dummy SSMR-068 occurrences are built as place holders for the missing record types. If the SSMR-068 occurrence represents a subschema set member that is included in the subschema, this field contains 0.
02 SET-NAM-068	**X(32) DISPLAY**	Subschema set name.
02 KEY-LGTH-068	**S9(4) COMP SYNC**	Total length of the sort control-key elements for the subschema set member record.
02 SORT-068	**S9(4) COMP SYNC**	Sort option indicator. +0 Standard sort sequence or unsorted. +1 Natural sort sequence.

Field	Picture	Description
02 FK-LGTH-068	**S9(4) COMP SYNC**	Total length of the foreign key.
02 SET-TYPE-068	**S9(4) COMP SYNC**	Set type. 0 = Standard set 1 = Primary/foreign key 2 = Referential (future use)
02 FILLER	**X(20) DISPLAY**	

3.143 SSOR-034

Description: Occurrences of the SSOR-034 record type represent schema sets that have been copied into a subschema.

Record length: 60

Established by: IDMSDIRL, subschema compiler, ASF

Owner of: SSOR-SETACT, SSOR-SSMR

Member of: SOR-SSOR, SS-SSOR, SSR-SSOR

Location mode: CALC using SSOR-CNTRL-034

Within area: DDLDML

Field	Picture	Description
02 SSOR-CNTRL-034	**DISPLAY**	CALC key.
03 SS-NAM-034	**X(8) DISPLAY**	Subschema name.
03 SET-NAM-034	**X(32) DISPLAY**	Set name.
02 OR-ID-034	**S9(8) COMP SYNC**	Subschema set identifier. The value in this field is equal to the owner record id concatenated with a three-digit sequence number; the sequence numbers start at 001 for each record and are incremented by 001.
02 SSOR-LOK-034	**S9(8) COMP SYNC**	Privacy lock bits. The bits in this field correspond to database activities. If a given bit is set (equal to 1), the corresponding activity is not allowed for the subschema set represented by the SSOR-034 occurrence. X'00000002' FIND X'00000008' CONNECT X'00000020' DISCONNECT X'00000040' KEEP
02 S-NAME-034	**DISPLAY**	Schema identification.
03 S-NAM-034	**X(8) DISPLAY**	Schema name.
03 S-SER-034	**S9(4) COMP SYNC**	Schema version number.

Field	Picture	Description
02 FILLER	**X(2)** **DISPLAY**	

3.144 SSPROC-095

Description: Occurrences of the SSPROC-095 record type represent database procedures that are called for records or areas in a subschema.

Record length: 32

Established by: IDMSDIRL, subschema compiler

Owner of: SSPROC-SSACALL, SSPROC-SSRCALL

Member of: SS-SSPROC

Location mode: CALC using SSP-CNTRL-095

Within area: DDLDML

Field	Picture	Description
02 SSP-CNTRL-095	**DISPLAY**	CALC key.
03 SS-NAME-095	**X(8) DISPLAY**	Subschema name.
03 SSP-NAME-095	**X(8) DISPLAY**	Database procedure name.
02 SSP-ID-095	**S9(4) COMP SYNC**	Subschema database procedure sequence number. Each database procedure called for a subschema record or area is assigned a sequence number; the sequence numbers start at 1 for each subschema and are incremented by 1.
02 S-NAME-095	**DISPLAY**	Schema identification.
03 S-NAM-095	**X(8) DISPLAY**	Schema name.
03 S-SER-095	**S9(4) COMP SYNC**	Schema version number.
02 FILLER	**X(4) DISPLAY**	

3.145 SSPROG-091

Description: SSPROG-091 is a junction record that relates a program to the subschema used by the program. If a subschema requires program authorization, the SSPROG-091 occurrences created by the IDD DDDL compiler register the owner programs with the subschema.

Record length: 48

Established by: IDD DDDL compiler, ASF, DML precompilers, CA-ADS dialog compiler

Member of: PROG-SSPROG, SS-SSPROG

Location mode: CALC using KEY-091

Within area: DDLDML

Field	Picture	Description
02 KEY-091	**DISPLAY**	CALC key.
03 SS-NAME-091	**X(8)** **DISPLAY**	Subschema name.
03 S-NAME-091	**DISPLAY**	Schema identification.
04 S-NAM-091	**X(8)** **DISPLAY**	Schema name.
04 S-SER-091	**S9(4) COMP** **SYNC**	Schema version number.
02 PROGLANG-NAME-091	**DISPLAY**	Program identification.
03 PROG-NAME-091	**X(8)** **DISPLAY**	Program name.
03 LANG-NAME-091	**X(16)** **DISPLAY**	Program language. For CA-ADS dialogs, the program name is ADSO.
02 FILLER	**X(6)** **DISPLAY**	

3.146 SSR-032

Description: Occurrences of the SSR-032 record type represent schema records that have been copied into a subschema. Each SSR-032 occurrence represents a subschema record. Subschemas can also include system internal records.

Two system internal record types, SR1 and SR6, occur in all subschemas. SR1 is the owner of the CALC set; the SR1 occurrence in a subschema owns all the CALC records in the subschema. SR6 is a dummy record that is used when not all member record types of a subschema set are included in the subschema; SR6 occurrences are built as place holders for the missing record types.

The system internal record type SR7 occurs in all subschemas that contain system-owned indexes. The SR7 occurrence in a subschema owns all the system-owned indexes in the subschema.

Record length: 100

Established by: IDMSDIRL, subschema compiler, ASF

Owner of: SSR-LRSSR, SSR-RCDACT, SSR-SSAM, SSR-SSMR, SSR-SSOR, SSR-SSRCALL

Member of: RCDSYN-SSR, SRCD-SSR, SS-SSR

Location mode: CALC using SSR-CNTRL-032

Within area: DDLDML

Field	Picture	Description
02 SSR-CNTRL-032	**DISPLAY**	CALC key.
03 SS-NAM-032	**X(8) DISPLAY**	Subschema name.
03 SSR-NAM-032	**X(32) DISPLAY**	Schema record name.
02 SSR-PRIORITY-032	**S9(4) COMP SYNC**	Subschema record priority. The value in this field is equal to the priority specified by the user plus 10000. If no priority is specified, the subschema record is assigned a priority of 9. System internal records are assigned a priority equal to the record id; that is, the SR1 record is assigned a priority of 1, the SR6 record is assigned a priority of 6, and the SR7 record is assigned a priority of 7.

Field	Picture	Description
02 DEL-032	**S9(4) COMP SYNC**	DML commands that cannot be used because not all sets in which the record participates are included in the subschema. X'00' — No restrictions. X'01' — ERASE is not allowed. X'02' — STORE is not allowed. X'04' — MODIFY is not allowed.
88 DELETE-YES-032	**COND VALUE +0**	
88 DELETE-NO-032	**COND VALUE +1**	
02 SSR-LOK-032	**S9(8) COMP SYNC**	Privacy lock bits. The bits in this field correspond to database activities. If a given bit is set (equal to 1), the corresponding activity is not allowed for the subschema record represented by the SSR-032 occurrence. X'01' — ERASE X'02' — FIND X'04' — GET X'08' — CONNECT X'10' — MODIFY X'20' — DISCONNECT X'40' — KEEP X'80' — STORE
02 DLGTH-032	**S9(4) COMP SYNC**	Length, in bytes, of the data portion of the subschema view of the schema record.
02 S-NAME-032	**DISPLAY**	Schema identification.
03 S-NAM-032	**X(8) DISPLAY**	Schema name.
03 S-SER-032	**S9(4) COMP SYNC**	Schema version number.

Field	Picture	Description
02 SEGMENT-032	**X(1)** **DISPLAY**	Segmented-view indicator. This field contains 1 under any of the following conditions:
		■ The user specified the record elements individually in the subschema (creating either a partial view or a whole view of the record).
		■ The record is variable length.
		■ The record contains an OCCURS DEPENDING ON clause.
		■ The record definition includes database procedure calls.
		If none of the above conditions apply, this field contains 0.
88 SEGMENTED-032	**COND** **VALUE '1'**	
88 UNSEGMENTED-032	**COND** **VALUE '0'**	
02 FLAG-032	**X(8) BIT**	Schema record flag.
		X'40' — Initial flag setting X'01' — PRESSTO DCTABLE defined
02 SR-ID-032	**S9(4) COMP** **SYNC**	Schema record id.
02 RP-COUNT-032	**S9(8) COMP** **SYNC**	Number of Record Procedure Junction Blocks (RP71) required for the record in the subschema tables.
02 FILLER	**X(32)** **DISPLAY**	

3.147 SSRCALL-039

Description: SSRCALL-039 is a junction record that relates a subschema record to a database procedure that is called for the record.

Record length: 8

Established by: IDMSDIRL, subschema compiler

Member of: SSPROC-SSRCALL, SSR-SSRCALL

Location mode: VIA set SSR-SSRCALL

Within area: DDLDML

Field	Picture	Description
02 CALL-ID-039	**S9(8) COMP SYNC**	Subschema record database call identifier. The value in this field is equal to the record id concatenated with a three-digit sequence number; the sequence numbers start at 001 for each record and are incremented by 001.
02 CALL-TIME-039	**X(2) DISPLAY**	Call time. C'BF' BEFORE C'ER' ON ERROR C'AF' AFTER
02 CALL-FUNC-039	**9(2) DISPLAY**	Verb number of the DML verb for which the database procedure is called. If this field contains 0, the database procedure is called for all DML verbs.

3.148 SYMBOL-1048

Description: SYMBOL-1048 represents a named symbol within an area whose values will be used at runtime to resolve symbolic parameters named in logical definitions.

Record length: 156

Established by: Physical database definition

Member of: AREA-SYMBOL

Location mode: VIA set AREA-SYMBOL

Within area: DDLCAT

Field	Picture	Description
02 TYPE-1048	**S9(4) COMP SYNC**	Symbolic type. 01 — Subarea 02 — Symbolic displacement 03 — Symbolic index
02 NAME-1048	**X(18) DISPLAY**	Symbolic name
02 SEGMENT-1048	**X(8) DISPLAY**	Segment name.
02 AREA-1048	**X(18) DISPLAY**	Area name.
02 CTIME-1048	**X(64) BIT**	Date and time stamp when the symbolic was created.
02 UTIME-1048	**X(64) BIT**	Date and time stamp when the symbolic was last updated.
02 CRITTIME-1048	**X(64) BIT**	Date and time stamp of the last critical change to the symbolic.
02 CUSER-1048	**X(18) DISPLAY**	ID of the user who created the area.
02 UUSER-1048	**X(18) DISPLAY**	ID of the user who last updated the area.

Field	Picture	Description
02 FLAG-1048	**X(8) BIT**	Symbolic type flag.
		X'80' — Subarea offset
		X'40' — VALUE1 is a percent
		X'20' — VALUE2 is a percent
		X'10' — Subarea space
		X'80' — Displacement
		X'80' — Index block contains
		X'40' — Index size
		X'20' — Index sorted key
02 FILLER	**X(1) DISPLAY**	
02 VALUE1-1048	**S9(8) COMP SYNC**	Symbolic value 1.
02 VALUE2-1048	**S9(8) COMP SYNC**	Symbolic value 2.
02 FILLER	**X(40) DISPLAY**	

3.149 SYMCTL-176

Description: The SYMCTL-176 record type is used to store information relating to address constants found within a symbol table load module. Each SYMCTL-176 occurrence contains relocation information for up to 127 address constants found in the symbol table.

Record length: 512

Established by: CA-ADS dialog compiler

Member of: SYMHDR-SYMCTL

Location mode: VIA set SYMHDR-SYMCTL

Within area: DDLDCLOD

Field	Picture	Description
02 SYMCTL-RLDNUM-176	**S9(4) COMP SYNC**	Number of relocation dictionary (RLD) entries in the SYMCTL-176 occurrence.
02 FILLER	**X(1) DISPLAY**	
02 SYMCTL-TYPE-176	**X(8) BIT**	SYMCTL-176 type code for relocation dictionary (RLD) entries.
02 SYMCTL-ACONINFO-176	**DISPLAY OCCURS 0 TO 127 TIMES DEPENDING ON SYMCTL-RLDNUM-176**	
03 SYMCTL-HDR-176	**DISPLAY**	
04 SYMCTL-ACONLEN-176	**X(8) BIT**	Flag byte indicating the length of the address constant. X'80' Two-byte address constant X'40' Three-byte address constant X'20' Four-byte address constant
04 SYMCTL-OFFSET-176	**X(3) DISPLAY**	Offset of the address constant into the symbol table load module.

Field	Picture	Description
03 SYMCTL-ENTRY-176	**S9(8) COMP SYNC REDE-FINES SYMCTL-HDR-176**	Symbol control table entry.

3.150 SYMHDR-174

Description: Occurrences of the SYMHDR-174 record type represent symbol table load modules. Each SYMHDR-174 occurrence contains global information about a symbol table load module that resides in the DDLDCLOD area of the dictionary.

Record length: 60

Established by: CA-ADS dialog compiler

Owner of: SYMHDR-SYMCTL, SYMHDR-SYMTEXT

Member of: LOADHDR-SYMHDR

Location mode: VIA set LOADHDR-SYMHDR

Within area: DDLDCLOD

Field	Picture	Description
02 SYMHDR-MODNAME-174	X(8) DISPLAY	Symbol table load module name.
02 SYMHDR-VERS-174	S9(4) COMP SYNC	Symbol table load module version number.
02 SYMHDR-RLDS-174	S9(4) COMP SYNC	Number of entries in the relocation dictionary (RLD) for the symbol table load module.
02 SYMHDR-EPA-174	S9(8) COMP SYNC	Entry point address.
02 SYMHDR-MODLEN-174	S9(8) COMP SYNC	Length, in bytes, of the object text for the symbol table load module.
02 SYMHDR-DATE-174	X(8) DISPLAY	Date on which the symbol table load module was compiled (*mm/dd/yy*).
02 SYMHDR-TIME-174	X(6) DISPLAY	Time at which the symbol table load module was compiled (*hhmmss*).
02 FILLER	X(26) DISPLAY	

3.151 SYMNAME-200

Description: SYMNAME-200 is the schema area symbol name. It names a symbol defined in the physical area that contains actual values associated with:

- A subarea (subdivision of the area)

- A VIA set displacement

- An index set displacement or BLOCK CONTAINS specification

Record length: 40

Established by: Schema compiler

Owner of: SYMNAME-SYMREC, SYMNAME-SYMSET

Member of: SA-SYMNAME

Location mode: VIA set SA-SYMNAME

Within area: DDLDML

Field	Picture	Description
02 SYMBOL-TYPE-200	**S9(4) COMP SYNC**	Symbol type. 1 = Subarea 2 = VIA set displacement 3 = Index
02 SYMBOL-NAME-200	**X(18) DISPLAY**	Symbol name.
02 FILLER	**X(20) DISPLAY**	

3.152 SYMREC-201

Description: SYMREC-201 is a junction record that associates a schema area's symbol name with a schema record.

Record length: 4

Established by: Schema compiler

Member of: SRCD-SYMREC, SYMNAME-SYMREC

Location mode: VIA set SYMNAME-SYMREC

Within area: DDLDML

Field	Picture	Description
02 SYMBOL-TYPE-201	**S9(4) COMP SYNC**	Symbol type. 1 = Subarea 2 = VIA set displacement
02 FILLER	**X(2) DISPLAY**	

3.153 SYMSET-202

Description: SYMSET-202 is a junction record that associates a schema area's symbol name with a schema set.

Record length: 4

Established by: Schema compiler

Member of: SOR-SYMSET, SYMNAME-SYMSET

Location mode: VIA set SYMNAME-SYMSET

Within area: DDLDML

Field	Picture	Description
02 SYMBOL-TYPE-202	**S9(4) COMP SYNC**	Symbol type. 1 = Subarea 3 = Index
02 FILLER	**X(2) DISPLAY**	

3.154 SYMTEXT-175

Description: Occurrences of the SYMTEXT-175 record type contain the object text for symbol table load modules that reside in the DDLDCLOD area of the dictionary.

Record length: 512

Established by: CA-ADS dialog compiler

Member of: SYMHDR-SYMTEXT

Location mode: VIA set SYMHDR-SYMTEXT

Within area: DDLDCLOD

Field	Picture	Description
02 SYMTEXT-TEXT-175	**X(32) DISPLAY OCCURS 16 TIMES**	Object text.

3.155 SYS-041

Description: Occurrences of the SYS-041 record type represent CA-IDMS/DC systems and IDD systems and subsystems.

CA-IDMS/DC systems always have a system name of DCSYSTEM; the systems are identified by the system version number. IDD systems and subsystems, therefore, should not be named DCSYSTEM.

The SYS-041 record type does not distinguish IDD systems from IDD subsystems. To determine whether an IDD-built SYS-041 occurrence represents a system or a subsystem, the relationships between the occurrence and other SYS-041 occurrences must be examined. Typically, the owner of a SYSNEST-EXPL set occurrence is a system, and the owner of a SYSNEST-IMPL set occurrence is a subsystem.

Record length: 512

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: SYS-ACCESS, SYS-CVGDEFS, SYS-DESTLST, SYS-LINELST, SYS-LTRMLST, SYS-MAPLST, SYS-PROGLST, SYS-PTRMLST, SYS-QUEUELST, SYS-SYSATTR, SYS-SYSCMT, SYS-SYSMO, SYS-SYSMOD, SYS-TASKLST, SYS-USERSYS, SYSNEST-EXPL, SYSNEST-IMPL

Member of: OOAK-SYS

Location mode: CALC using SYS-NAME-041

Within area: DDLDML

Field	Picture	Description
02 SYS-NAME-041	**X(32) DISPLAY**	System name.
02 APPLICATION-NAME-041	**DISPLAY REDEFINES SYS-NAME-041**	Redefinition of the SYS-NAME-041 field for CA-ADS applications.
03 APPL-NAME-041	**X(8) DISPLAY**	CA-ADS application name.
03 FILLER	**X(24) DISPLAY**	
02 SYS-VER-041	**S9(4) COMP SYNC**	System version number.
02 BUILDER-041	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)

Field	Picture	Description
02 FILLER	**X(1)** **DISPLAY**	
02 DESCR-041	**X(40)** **DISPLAY**	System description.
02 DATE-LU-041	**X(8)** **DISPLAY**	Date last updated.
02 DATE-CREATED-041	**X(8)** **DISPLAY**	Date established.
02 PREP-BY-041	**X(8)** **DISPLAY**	User who added the system.
02 REV-BY-041	**X(8)** **DISPLAY**	User who last updated the system.
02 SYSCTL-DBNAME-041	**X(8)** **DISPLAY**	Database name to be written to the SYSCTL file that is used by the system.
02 GEN-ID-041	**X(8)** **DISPLAY**	System generation identification.
02 LOG-FILE1-041	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) of the primary log file for the system.
02 LOG-FILE2-041	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) of the alternate log file for the system.
02 SYSCTL-DDNAME-041	**X(8)** **DISPLAY**	SYSCTL ddname.
02 SYS-ID-041	**X(8)** **DISPLAY**	System ID.
02 LOG-TYPE-041	**X(8)** **DISPLAY**	System log-file device type. For OS/390 systems, this field contains the value OS/390. For VSE/ESA systems, this field contains the name of a tape or disk device type.
02 SYSCTL-NODENAME-041	**X(8)** **DISPLAY**	Node name to be written to the SYSCTL file that is used by the system.
02 LOG-CNT1-041	**S9(8) COMP** **SYNC**	Maximum number of records to be written to the primary log file. If this field contains 0, a maximum number of records was not specified.
02 LOG-CNT2-041	**S9(8) COMP** **SYNC**	Maximum number of records to be written to the alternate log file. If this field contains -1, an alternate log file was not defined. If this field contains 0 and LOG-CNTA-041 also contains 0, log records are written to the DDLDCLOG area of the dictionary.

Field	Picture	Description
02 CWA-SIZE-041	**S9(8) COMP SYNC**	Size, in bytes, of the Common Work Area (CWA).
02 FILLER	**X(4) DISPLAY**	
02 SYS-LOCKS-041	**S9(4) COMP SYNC**	Maximum number of database-key locks that can be allocated concurrently for all run units.
02 TICKER-INT-041	**S9(4) COMP SYNC**	Ticker interval, in wall-clock seconds.
02 ROUTE-CODES-041	**S9(4) COMP SYNC**	OS/390 route codes.
02 DESC-CODES-041	**S9(4) COMP SYNC**	OS/390 description codes.
02 ABEND-STG-041	**S9(4) COMP SYNC**	Amount of storage, in fullwords, that is available to the system for processing abends.
02 MAX-TASKS-041	**S9(4) COMP SYNC**	Maximum number of user tasks that can be active concurrently.
02 ECB-LIST-041	**S9(4) COMP SYNC**	Amount of storage, in fullwords, to be allocated for the Event Control Block (ECB) list.
02 DEADLOCK-DETECT-INT-041	**S9(4) COMP SYNC**	Deadlock detection interval, in wall-clock seconds.
02 DEADLOCK-STALL-INT-041	**S9(4) COMP SYNC**	Unused.
02 RECOVERY-WAIT-041	**S9(4) COMP SYNC**	Recovery wait time in wall clock seconds.
02 STK-SIZE-041	**S9(4) COMP SYNC**	Number of fullwords in the work storage stack of a Task Control Element (TCE).
02 RLE-CNT-041	**S9(4) COMP SYNC**	Number of Resource Link Elements (RLEs) to be allocated at startup.
02 RCE-CNT-041	**S9(4) COMP SYNC**	Number of Resource Control Elements (RCEs) to be allocated at startup.
02 DPE-CNT-041	**S9(4) COMP SYNC**	Number of Deadlock Prevention Elements (DPEs) to be allocated at startup.
02 RWY-INT-041	**S9(4) COMP SYNC**	Runaway interval, in wall-clock seconds.
02 INACT-INT-041	**S9(4) COMP SYNC**	Inactive interval, in wall-clock seconds.

Field	Picture	Description
02 TRACE-041	S9(4) COMP SYNC	Number of fullword system trace entries.
02 FILLER	X(2) DISLAY	
02 EXT-WAIT-041	S9(4) COMP SYNC	External wait time, in wall-clock seconds.
02 INT-WAIT-041	S9(4) COMP SYNC	Internal wait time, in wall-clock seconds.
02 MAX-ERUS-041	S9(4) COMP SYNC	Maximum number of external request units that can be active concurrently.
02 FILLER	X(2) DISPLAY	
02 UTRACE-041	S9(4) COMP SYNC	Number of fullword entries to be allocated to the user trace buffer.
02 SCR-RUTA-041	S9(4) COMP SYNC	Number of system run units initiated to service queue requests.
02 MSG-RUTA-041	S9(4) COMP SYNC	Number of system run units initiated to service message dictionary requests.
02 SGN-RUTA-041	S9(4) COMP SYNC	Number of system run units initiated to service signon requests.
02 STAT-INTRVL-041	S9(4) COMP SYNC	Statistics interval, in wall-clock seconds.
02 OP-SYS-041	X(8) BIT	Operating system. X'01' — OS/390 X'02' — SVS X'03' — VS1 X'04' — MVT X'05' — MFT X'06' — DVS X'07' — VSE/ESA X'09' — BS2000/OSD X'0A' — CMS
02 CVNUM-041	X(8) BIT	Central version number.
02 CHK-USERS-041	X(8) BIT	Number of check-user tasks.
02 ERU-PRTY-041	X(8) BIT	Default run-unit priority.
02 LOG-DEVTYP-041	X(8) BIT	Unused.
02 SVC-NUM-041	X(8) BIT	SVC number. If this field contains 0, the system does not use an SVC.

Field	Picture	Description
02 STORAGE-KEY-041	**X(8) BIT**	Alternate key for storage protection.
02 SYS-FLAG1-041	**X(8) BIT**	Flag byte 1.
		X'80' — System statistics are written to the log at a specified interval X'40' — Statistics are collected by task X'20' — Statistics are collected by line X'10' — CPU-time statistics are maintained separately for system mode and user mode X'08' — Task statistics are collected and written to the log X'02' — Log records are written to the DDLDCLOG area of the dictionary X'01' — A snap dump is written to the log when an external request unit terminates abnormally
02 SYS-FLAG2-041	**X(8) BIT**	Flag byte 2.
		X'80' — Storage protection is enabled X'40' — A memory dump is written for all system abends X'10' — The system trace facility is disabled X'08' — The user trace facility is enabled X'04' — The system contains errors; the CA-IDMS system generation compiler will not accept a GENERATE statement for the system X'02' — BGIN and ENDJ checkpoints are written for retrieval run units X'01' — Statistics are collected by transaction

Field	Picture	Description
02 SYS-FLAG3-041	**X(8) BIT**	Flag byte 3.
		X'80' — Db-key locks are maintained automatically for programs running in shared retrieval mode X'40' — The CA-IDMS/DC system uses GETVIS to acquire storage under VSE/ESA X'20' — VSE/ESA does not support timer functions X'10' — Db-key locks are maintained automatically for programs running in protected update mode X'08' — The new copy facility is enabled automatically X'04' — Transaction logging is enabled X'02' — The CA-IDMS/DC system can be accessed by CMS application programs X'01' — Only before images of queue records are written to the journal file.
02 SYS-FLAG4-041	**X(8) BIT**	Flag byte 4.
		X'80' — Access modules are eligible for automatic definition in null PDEs during DC runtime X'20' — Subschemas are eligible for automatic definition in null PDEs during DC runtime X'10' — Maps are eligible for automatic definition in null PDEs during DC runtime X'08' — Tables are eligible for automatic definition in null PDEs during DC runtime X'04' — Dialogs are eligible for automatic definition in null PDEs during DC runtime X'02' — Scratch records can be written to an XA storage pool X'01' — The program directory list is built at startup
02 PRINT-REP-RET-041	**X(8) BIT**	Report retention period, in days. If this field contains -1, a report retention period was not specified.
02 FILLER	**X(2) DISPLAY**	

Field	Picture	Description
02 SYS-FLAG5-041	**X(8) BIT**	Flag byte 5.
		X'80' — The CA-IDMS/DC nodename in the SYSCTL file overrides an IDMSOPTI or program specification
		X'40' — The dbname in the SYSCTL file overrides an IDMSOPTI or program specification
		X'20' — Multiple signons by the same user are allowed
		X'10' — The DC system includes an CA-OLQ definition in a CVGDEFS-142 type
		X'05' record
		X'08' — The DC system includes a CA-ADS definition in a CVGDEFS-142 type X'04' record
		X'04' — The DC system includes at least one PF keys table
		X'02' — A PF keys table is defined for the mapping facility
		X'01' — Page release is enabled
02 SYS-FLAG6-041	**X(8) BIT**	Flag byte 6.
		X'80' — The DC system includes an IDD definition in a CVGDEFS-142 type X'0B' record
		X'10' — Statistics are collected by task and written to the log
		X'08' — Limits for online tasks are enforced
		X'04' — Limits for online tasks are not enforced
		X'02' — Limits for external tasks are enforced
		X'01' — Limits for external tasks are enforced
02 SYS-FLAG7-041	**X(8) BIT**	Flag byte.
		X'80' - Suppress user newpage native.
		X'40' - Suppress user newpage nonnative.
		X'20' - Suppress SCS CR/LF at beginning of report.
		X'10' - Suppress newpage newline.
		X'08' - Auto newpage at end of native report.
		X'04' - Auto newpage at end of nonnative report.
		X'02' - Suppress newpage at beginning of native report.
		X'01' - Suppress newpage at beginning of nonnative report.

Field	Picture	Description
02 SYS-FLAG8-041	**X(8) BIT**	Flag byte.
02 PFK-APP-COUNT-041	**S9(4) COMP SYNC**	Number of KEYS FOR APPLICATION CVGDEFS-142 occurrences (that is, CVGDEFS-142 occurrences with a type code (CVG-TYPE-142) of X'09') owned by the SYS-041 occurrence.
02 FILLER	**X(8) DISPLAY**	
02 PRINT-AID-3270-VAL-041	**X(1) DISPLAY**	AID value for the control key used to print screen contents. If this field contains -1, a print key was not specified.
02 FILLER	**X(1) DISPLAY**	
02 PRINT-CKPT-PAGES-041	**S9(4) COMP SYNC**	Printer checkpoint. If this field contains -1, a printer checkpoint was not specified.
02 LOADER-RUTA-041	**S9(4) COMP SYNC**	Number of system run units initiated to service dictionary load requests.
02 PRIM-PDE-041	**S9(4) COMP SYNC**	Number of null Program Definition Elements (PDEs) to be allocated for the primary null PDE pool.
02 SEC-PDE-041	**S9(4) COMP SYNC**	Number of null Program Definition Elements (PDEs) to be allocated for the secondary null PDE pool.
02 RSC-STALL-041	**S9(4) COMP SYNC**	Resource timeout interval, in wall-clock seconds.
02 RSC-PGNM-041	**X(8) DISPLAY**	Resource timeout program name.
02 RSC-LOADLIB-041	**X(8) DISPLAY**	Loadlib for auto timeout program.
02 RSC-VER-041	**S9(4) COMP SYNC**	Resource timeout program version number.
02 USER-COUNT-041	**S9(4) COMP SYNC**	Count of users registered for all.
02 PDECNT-041	**S9(4) COMP SYNC**	Number of PROGLST-049 occurrences owned by the SYS-041 occurrence.
02 TDECNT-041	**S9(4) COMP SYNC**	Number of TASKLST-023 occurrences owned by the SYS-041 occurrence.

Field	Picture	Description
02 QDECNT-041	**S9(4) COMP SYNC**	Number of QUEUELST-029 occurrences owned by the SYS-041 occurrence.
02 PLECNT-041	**S9(4) COMP SYNC**	Number of LINELST-103 occurrences owned by the SYS-041 occurrence.
02 PTECNT-041	**S9(4) COMP SYNC**	Number of PTRMLST-104 occurrences owned by the SYS-041 occurrence.
02 LTECNT-041	**S9(4) COMP SYNC**	Number of LTRMLST-105 occurrences owned by the SYS-041 occurrence.
02 DDECNT-041	**S9(4) COMP SYNC**	Number of DESTLST-027 occurrences owned by the SYS-041 occurrence.
02 TABRESCNT-041	**S9(4) COMP SYNC**	Number of resource tables. (CVGDEFS-142 type X'10' occurrences) owned by this SYS-041 occurrence.
02 TABNODCNT-041	**S9(4) COMP SYNC**	Number of node tables (CVGDEFS-142 type X'11' occurrences) owned by this SYS-041 occurrence.
02 PROGCNT-041	**S9(4) COMP SYNC**	Number of programs (CVGDEFS-142 type X'02' occurrences) owned by this SYS-041 occurrence.
02 UMBCNT-041	**S9(4) COMP SYNC**	Number of tasks that invoke the transfer control facility (TCF) control program.
02 MAPTYPECNT-041	**S9(4) COMP SYNC**	Number of maptypes (CVGDEFS-142 type X'0D' occurrences) owned by this SYS-041 occurrence.
02 TABSRVCNT-041	**S9(4) COMP SYNC**	Number of service tables (CVGDEFS-142 type X'12' occurrences) owned by this SYS-041 occurrence.
02 LOADLISTCNT-041	**S9(4) COMP SYNC**	Number of loadlists (CVGDEFS-142 type X'0E' occurrences) owned by this SYS-041 occurrence.
02 RUNUNITTCNT-041	**S9(4) COMP SYNC**	Number of run units (CVGDEFS-142 type X'0F' occurrences) owned by this SYS-041 occurrence.
02 SEC-RUTA-041	**S9(4) COMP SYNC**	Number of security run units (CVGDEFS-142 occurrences with CVG-TYPE-142 X'0F' and CVG-PRU-TYPE1-142 X'0D') owned by this SYS-041 occurrence.
02 FILLER	**X(4) DISPLAY**	
02 STG-LIMIT-041	**S9(8) COMP SYNC**	Storage limit, in K bytes, for internal and online tasks.
02 FILLER	**X(8) DISPLAY**	

Field	Picture	Description
02 LOCK-LIMIT-041	**S9(8) COMP SYNC**	Database-key lock limit for internal and online tasks.
02 CALL-LIMIT-041	**S9(8) COMP SYNC**	System service call limit for internal and online tasks.
02 DBIO-LIMIT-041	**S9(8) COMP SYNC**	Database I/O limit for internal and online tasks.
02 ERU-STG-LIMIT-041	**S9(8) COMP SYNC**	Storage limit, in K bytes, for external request units.
02 FILLER	**X(8) DISPLAY**	
02 ERU-LOCK-LIMIT-041	**S9(8) COMP SYNC**	Database-key lock limit for external request units.
02 ERU-CALL-LIMIT-041	**S9(8) COMP SYNC**	System service call limit for external request units.
02 ERU-DBIO-LIMIT-041	**S9(8) COMP SYNC**	Database I/O limit for external request units.
02 STG-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the primary storage pool.
02 STG-CUSHN-041	**S9(8) COMP SYNC**	Size, in K bytes, of the cushion for the primary storage pool.
02 PGM-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the program pool.
02 REENT-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the reentrant pool.
02 XA-PROGRAM-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the 31-bit program pool for OS/390 systems.
02 XA-REENTRANT-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the 31-bit reentrant pool for OS/390 systems.
02 XA-STORAGE-POOL-041	**S9(8) COMP SYNC**	Size, in K bytes, of the XA storage pool
02 FILLER	**X(28) DISPLAY**	
02 PUB-ACCESS-FLAG-041	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 LOADLIST-NAME-041	**X(8) DISPLAY**	Loadlist name.
02 REL-THRESH-PCT-041	**X(8) BIT**	Relocatable threshold percent.

Field	Picture	Description
02 AREA-ACQ-THRESH-041	**S9(4) COMP SYNC**	Area acquisition threshold
02 AREA-ACQ-RETRY-041	**S9(4) COMP SYNC**	Area acquisition retry count
02 JRNL-FRAG-INT-041	**S9(4) COMP SYNC**	Journal fragment interval.
02 JRNL-FRAG-LEVEL-041	**S9(4) COMP SYNC**	Journal transaction level.
02 SYSTEM-RUTA-041	**S9(4) COMP SYNC**	Number of system run units.
02 DEDICATED-ERUS-041	**S9(4) COMP SYNC**	Number of dedicated external request units.
02 QUIESCE-WAIT-041	**S9(4) COMP SYNC**	Quiesce wait time in wall clock seconds.
02 FILLER	**X(44) DISPLAY**	

3.156 SYSATTR-060

Description: SYSATTR-060 is the attribute junction record for the SYS-041 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, SYS-SYSATTR

Location mode: VIA set SYS-SYSATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-060	**X(40)** **DISPLAY**	User-supplied junction text.

3.157 SYSCMT-038

Description: SYSCMT-038 is the comment record associated with the SYS-041 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler, CA-ADS application compiler

Member of: SYS-SYSCMT

Location mode: VIA set SYS-SYSCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-038	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-038	**DISPLAY**	
03 CMT-INFO-038	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 APL-CMT-TEXT-038	**DISPLAY REDEFINES CMT-038**	Redefinitions of the CMT-038 field for use by the CA-ADS application compiler.
03 APL-CMT-GROUP1-038	**DISPLAY**	Redefinition of the CMT-038 field for SYSCMT-038 occurrences with a comment code (CMT-ID-038) of -15 (that is, occurrences that define CA-ADS application security).
04 APL-SEC-CLASS-038	**S9(4) COMP SYNC**	Application security class.
04 APL-SEC-MENUS-038	**X(1) DISPLAY**	Menu security indicator. If this field contains the character A, application menus display all functions. If this field contains the character S, application menus are security tailored. If this field contains the character N, the application does not use menus.

Field	Picture	Description
04 APL-SEC-SIGNON-038	**X(1) DISPLAY**	Signon indicator. If this field contains the character N, signon is not allowed. If this field contains the character O, signon is optional. If this field contains the character R, signon is required.
04 APL-SEC-FUNC-NAME-038	**X(8) DISPLAY**	Signon function name.
04 FILLER	**X(88) DISPLAY**	
03 APL-CMT-GROUP2-038	**DISPLAY REDEFINES APL-CMT-GROUP1-038**	Redefinition of the CMT-038 field for SYSCMT-038 occurrences with a comment code (CMT-ID-038) of -16 (that is, occurrences that contain CA-ADS application general information).
04 FILLER	**X(2) DISPLAY**	
04 APL-GENL-PRINT-CLASS-038	**S9(4) COMP SYNC**	Default printer class used by WRITE PRINTER process commands.
04 APL-GENL-MODE-DFLT-038	**X(1) DISPLAY**	Default mode to be used at runtime. If this field contains the character S, the default mode is STEP. If this field contains the character F, the default mode is FAST.
04 APL-GENL-DATE-FORMAT-038	**X(1) DISPLAY**	Date format. If this field contains the character C, the default date format is *mm/dd/yy*. If this field contains the character E, the default date format is *dd/mm/yy*. If this field contains the character G, the default date format is *yy/mm/dd*. If this field contains the character J, the default date format is *yy/ddd*.
04 APL-GENL-PRINT-DEST-038	**X(8) DISPLAY**	Default printer destination used by WRITE PRINTER process commands.
04 FILLER	**X(86) DISPLAY**	
03 APL-CMT-GROUP3-038	**DISPLAY REDEFINES APL-CMT-GROUP1-038**	Redefinition of the CMT-038 field for SYSCMT-038 occurrences with a comment code (CMT-ID-038) of -17 (that is, occurrences that contain CA-ADS application task codes).
04 APL-TASK-NAME-038	**X(8) DISPLAY**	Task code.
04 APL-TOP-FUNC-038	**X(8) DISPLAY**	Name of the function associated with the task code.

Field	Picture	Description
04 FILLER	**X(84) DISPLAY**	
03 APL-CMT-GROUP4-038	**DISPLAY REDEFINES APL-CMT-GROUP1-038**	Redefinition of the CMT-038 field for SYSCMT-038 occurrences with a comment code (CMT-ID-038) of -14 (that is, occurrences that define CA-ADS application global records).
04 GREC-NAME-038	**X(32) DISPLAY**	Record name.
04 GREC-VER-038	**S9(4) COMP SYNC**	Record version number.
04 FILLER	**X(66) DISPLAY**	
02 CMT-ID-038	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.158 SYSMO-170

Description: SYSMO-170 is the object record created by the CA-IDMS system generation compiler GENERATE statement for the SYS-041 record type. Each SYSMO-170 occurrence represents an executable CA-IDMS/DC system.

Record length: 512

Established by: CA-IDMS system generation compiler

Member of: SYS-SYSMO

Location mode: CALC using SYS-NAME-170

Within area: DDLDML

Field	Picture	Description
02 SYS-NAME-170	**X(32) DISPLAY**	System name. The system name is always DCSYSTEM; systems are distinguished by the system version number in the SYS-VER-170 field.
02 SYS-VER-170	**S9(4) COMP SYNC**	System version number.
02 BUILDER-170	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 DESCR-170	**X(40) DISPLAY**	System description.
02 DATE-LU-170	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-170	**X(8) DISPLAY**	Date established.
02 PREP-BY-170	**X(8) DISPLAY**	User who added the system.
02 REV-BY-170	**X(8) DISPLAY**	User who last updated the system.
02 SYSCTL-DBNAME2-170	**X(8) DISPLAY**	Database name to be written to the SYSCTL file that is used by the system.
02 GEN-ID-170	**X(8) DISPLAY**	System generation identification.

Field	Picture	Description
02 LOG-FILE1-170	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) of the primary log file for the system.
02 LOG-FILE2-170	**X(8)** **DISPLAY**	Ddname (OS/390) or filename (VSE/ESA) of the alternate log file for the system.
02 SYSCTL-DDNAME-170	**X(8)** **DISPLAY**	Ddname of the SYSCTL file used by the system.
02 SYS-ID-170	**X(8)** **DISPLAY**	System ID.
02 LOG-TYPE-170	**X(8)** **DISPLAY**	System log-file device type. For OS/390 systems, this field contains the value OS/390. For VSE/ESA systems, this field contains the name of a tape or disk device type.
02 SYSCTL-NODENAME-170	**X(8)** **DISPLAY**	Node name to be written to the SYSCTL file that is used by the system.
02 LOG-CNT1-170	**9(9) COMP** **SYNC**	Maximum number of records to be written to the primary log file. If this field contains 0, a maximum number of records was not specified.
02 LOG-CNT2-170	**9(9) COMP** **SYNC**	Maximum number of records to be written to the alternate log file. If this field contains -1, an alternate log file was not defined. If this field contains 0 and LOG-CNTA2-170 also contains 0, log records are written to the DDLDCLOG area of the dictionary.
02 CWA-SIZE-170	**S9(8) COMP** **SYNC**	Size, in bytes, of the Common Work Area (CWA).
02 FILLER	**X(4)** **DISPLAY**	
02 SYS-LOCKS-170	**S9(8) COMP** **SYNC**	Maximum number of database-key locks that can be allocated concurrently for all run units.
02 TICKER-INT-170	**S9(4) COMP** **SYNC**	Ticker interval, in wall-clock seconds.
02 ROUTE-CODES-170	**S9(4) COMP** **SYNC**	OS/390 route codes.
02 DESC-CODES-170	**S9(4) COMP** **SYNC**	OS/390 description codes.
02 ABEND-STG-170	**S9(4) COMP** **SYNC**	Amount of storage, in fullwords, that is available to the system for processing abends.
02 MAX-TASKS-170	**S9(4) COMP** **SYNC**	Maximum number of user tasks that can be active concurrently.

Field	Picture	Description
02 ECB-LIST-170	S9(4) COMP SYNC	Amount of storage, in fullwords, to be allocated for the Event Control Block (ECB) list.
02 DEADLOCK-DETECT-INT-170	S9(4) COMP SYNC	Deadlock detection interval, in wall-clock seconds.
02 DEADLOCK-STALL-INT-170	S9(4) COMP SYNC	Unused.
02 RECOVERY-WAIT-170	S9(4) COMP SYNC	Recovery wait time in wall clock seconds.
02 STK-SIZE-170	S9(4) COMP SYNC	Number of fullwords in the work storage stack of a Task Control Element (TCE).
02 RLE-CNT-170	S9(4) COMP SYNC	Number of Resource Link Elements (RLEs) to be allocated at startup.
02 RCE-CNT-170	S9(4) COMP SYNC	Number of Resource Control Elements (RCEs) to be allocated at startup.
02 DPE-CNT-170	S9(4) COMP SYNC	Number of Deadlock Prevention Elements (DPEs) to be allocated at startup.
02 RWY-INT-170	S9(4) COMP SYNC	Runaway interval, in wall-clock seconds.
02 INACT-INT-170	S9(4) COMP SYNC	Inactive interval, in wall-clock seconds.
02 TRACE-170	S9(4) COMP SYNC	Number of fullword system trace entries.
02 FILLER	X(2) DISPLAY	
02 EXT-WAIT-170	S9(4) COMP SYNC	External wait time, in wall-clock seconds.
02 INT-WAIT-170	S9(4) COMP SYNC	Internal wait time, in wall-clock seconds.
02 MAX-ERUS-170	S9(4) COMP SYNC	Maximum number of external request units that can be active concurrently.
02 FILLER	X(2) DISPLAY	
02 UTRACE-170	S9(4) COMP SYNC	Number of fullword entries to be allocated to the user trace buffer.
02 SCR-RUTA-170	S9(4) COMP SYNC	Number of system run units initiated to service queue requests.

Field	Picture	Description
02 MSG-RUTA-170	**S9(4) COMP SYNC**	Number of system run units initiated to service message dictionary requests.
02 SGN-RUTA-170	**S9(4) COMP SYNC**	Number of system run units initiated to service signon requests.
02 STAT-INTRVL-170	**S9(4) COMP SYNC**	Statistics interval, in wall-clock seconds.
02 OP-SYS-170	**X(8) BIT**	Operating system. X'01' OS/390 X'02' SVS X'03' VS1 X'04' MVT X'05' MFT X'06' DVS X'07' VSE/ESA X'09' BS2000/OSD X'0A' CMS
02 CVNUM-170	**X(8) BIT**	Central version number.
02 CHK-USERS-170	**X(8) BIT**	Number of check-user tasks.
02 ERU-PRTY-170	**X(8) BIT**	Default run-unit priority.
02 LOG-DEVTYP-170	**X(8) BIT**	Unused.
02 SVC-NUM-170	**X(8) BIT**	SVC number. If this field contains 0, the system does not use an SVC.
02 STORAGE-KEY-170	**X(8) BIT**	Alternate key for storage protection.
02 SYS-FLAG1-170	**X(8) BIT**	Flag Byte 1. X'80' — System statistics are written to the log at a specified interval X'40' — Statistics are collected by task X'20' — Statistics are collected by line X'10' — CPU-time statistics are maintained separately for system mode and user mode X'08' — Task statistics are collected and written to the log X'02' — Log records are written to the DDLDCLOG area of the dictionary X'01' — A snap dump is written to the log when an external request unit terminates abnormally

Field	Picture	Description
02 SYS-FLAG2-170	**X(8) BIT**	Flag byte 2.
		X'80' — Storage protection is enabled X'40' — A memory dump is written for all system abends X'10' — The system trace facility is disabled X'08' — The user trace facility is enabled X'04' — The system contains errors; the CA-IDMS system generation compiler will not accept a GENERATE statement for the system X'02' — BGIN and ENDJ checkpoints are written for retrieval run units X'01' — Statistics are collected by transaction
02 SYS-FLAG3-170	**X(8) BIT**	Flag byte 3.
		X'80' — Db-key locks are maintained automatically for programs running in shared retrieval mode X'40' — The CA-IDMS/DC system uses GETVIS to acquire storage under VSE/ESA X'20' — VSE/ESA does not support timer functions X'10' — Db-key locks are maintained automatically for programs running in protected update mode X'08' — The new copy facility is enabled automatically X'04' — Transaction logging is enabled X'02' — The CA-IDMS/DC system can be accessed by CMS application programs X'01' — Only before images of queue records are written to the journal file.

Field	Picture	Description
02 SYS-FLAG4-170	**X(8) BIT**	Flag byte 4.
		X'80' — Access modules are eligible for automatic definition in null PDEs during DC runtime X'20' — Subschemas are eligible for automatic definition in null PDEs during DC runtime X'10' — Maps are eligible for automatic definition in null PDEs during DC runtime X'08' — Tables are eligible for automatic definition in null PDEs during DC runtime X'04' — Dialogs are eligible for automatic definition in null PDEs during DC runtime X'02' — Scratch records can be written to an XA storage pool X'01' — The program directory list is built at startup
02 PRINT-REP-RET2-170	**X(8) BIT**	Report retention period, in days. If this field contains -1, a report retention period was not specified.
02 FILLER-170	**X(2) DISPLAY**	
02 SYS-FLAG5-170	**X(8) BIT**	Flag byte 5.
		X'80' — The CA-IDMS/DC nodename in the SYSCTL file overrides an IDMSOPTI or program specification X'40' — The dbname in the SYSCTL file overrides an IDMSOPTI or program specification X'20' — Multiple signons by the same user are allowed X'10' — The DC system includes an CA-OLQ definition in a CVGDEFS-142 type X'05' record X'08' — The DC system includes a CA-ADS definition in a CVGDEFS-142 type X'04' record X'04' — The DC system includes at least one PF keys table X'02' — A PF keys table is defined for the mapping facility X'01' — Page release is enabled

Field	Picture	Description
02 SYS-FLAG6-170	**X(8) BIT**	Flag byte 6.
		X'10' — The DC system includes an IDD definition in a CVGDEFS-142 type X'0B' record X'10' — Statistics are collected by task and written to the log X'08' — Limits for online tasks are enforced X'04' — Limits for online tasks are not enforced X'02' — Limits for external tasks are enforced X'01' — Limits for external tasks are enforced
02 SYS-FLAG7-170	**X(8) BIT**	Flag byte.
		X'80' - Suppress user newpage native. X'40' - Suppress user newpage nonnative. X'20' - Suppress SCS CR/LF at beginning of report. X'10' - Suppress newpage newline. X'08' - Auto newpage at end of native report. X'04' - Auto newpage at end of nonnative report. X'02' - Suppress newpage at beginning of native report. X'01' - Suppress newpage at beginning of non-native report.
02 SYS-FLAG8-170	**X(8) BIT**	Flag byte.
02 PFK-APP-COUNT-170	**S9(4) COMP SYNC**	Number of KEYS FOR APPLICATION CVGDEFS-142 occurrences (that is, CVGDEFS-142 occurrences with a type code (CVG-TYPE-142) of X'09') owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 FILLER	**X(8) DISPLAY**	
02 PRINT-AID-3270-VAL-170	**X(1) DISPLAY**	AID value for the control key used to print screen contents. If this field contains -1, a print key was not specified.
02 FILLER	**X(1) DISPLAY**	
02 PRINT-CKPT-PAGES-170	**S9(4) COMP SYNC**	Printer checkpoint. If this field contains -1, a printer checkpoint was not specified.

Field	Picture	Description
02 LOADER-RUTA-170	**S9(4) COMP SYNC**	Number of system run units initiated to service dictionary load requests.
02 PRIM-PDE-170	**S9(4) COMP SYNC**	Number of null Program Definition Elements (PDEs) to be allocated for the primary null PDE pool.
02 SEC-PDE-170	**S9(4) COMP SYNC**	Number of null Program Definition Elements (PDEs) to be allocated for the secondary null PDE pool.
02 RSC-STALL-170	**S9(4) COMP SYNC**	Resource timeout interval, in wall-clock seconds.
02 RSC-PGNM-170	**X(8) DISPLAY**	Resource timeout program name.
02 RSC-LOADLIB-170	**X(8) DISPLAY**	Loadlib for auto timeout program.
02 RSC-VER-170	**S9(4) COMP SYNC**	Resource timeout program version number.
02 USER-COUNT-170	**S9(4) COMP SYNC**	Count of users registered for all.
02 PDECNT-170	**S9(4) COMP SYNC**	Number of PROGLST-049 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 TDECNT-170	**S9(4) COMP SYNC**	Number of TASKLST-023 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 QDECNT-170	**S9(4) COMP SYNC**	Number of QUEUELST-029 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 PLECNT-170	**S9(4) COMP SYNC**	Number of LINELST-103 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 PTECNT-170	**S9(4) COMP SYNC**	Number of PTRMLST-104 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 LTECNT-170	**S9(4) COMP SYNC**	Number of LTRMLST-105 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.
02 DDECNT-170	**S9(4) COMP SYNC**	Number of DESTLST-027 occurrences owned by the SYS-041 occurrence that owns the SYSMO-170 occurrence.

Field	Picture	Description
02 TABRESCNT-170	**S9(4) COMP SYNC**	Number of resource tables. (CVGDEFS-142 type X'10' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 TABNODCNT-170	**S9(4) COMP SYNC**	Number of node tables (CVGDEFS-142 type X'11' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 PROGCNT-170	**S9(4) COMP SYNC**	Number of programs (CVGDEFS-142 type X'02' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 UMBCNT-170	**S9(4) COMP SYNC**	Number of tasks that invoke the transfer control facility (TCF) control program.
02 MAPTYPECNT-170	**S9(4) COMP SYNC**	Number of maptypes (CVGDEFS-142 type X'0D' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 TABSRVCNT-170	**S9(4) COMP SYNC**	Number of service tables (CVGDEFS-142 type X'12' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 LOADLISTCNT-170	**S9(4) COMP SYNC**	Number of loadlists (CVGDEFS-142 type X'0E' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 RUNUNITTCNT-170	**S9(4) COMP SYNC**	Number of run units (CVGDEFS-142 type X'0F' occurrences) owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 SEC-RUTA-170	**S9(4) COMP SYNC**	Number of security run units (CVGDEFS-142 occurrences with CVG-TYPE-142 X'0F' and CVG-PRU-TYPE1-142 X'0D') owned by the SYS-041 occurrence that owns this SYS-170 occurrence.
02 FILLER	**X(4) DISPLAY**	
02 STG-LIMIT-170	**S9(8) COMP SYNC**	Storage limit, in K bytes, for internal and online tasks.
02 FILLER	**X(8) DISPLAY**	
02 LOCK-LIMIT-170	**S9(8) COMP SYNC**	Database-key lock limit for internal and online tasks.
02 CALL-LIMIT-170	**S9(8) COMP SYNC**	System service call limit for internal and online tasks.

Field	Picture	Description
02 DBIO-LIMIT-170	**S9(8) COMP SYNC**	Database I/O limit for internal and online tasks.
02 ERU-STG-LIMIT-170	**S9(8) COMP SYNC**	Storage limit, in K bytes, for external request units.
02 FILLER	**X(8) DISPLAY**	
02 ERU-LOCK-LIMIT-170	**S9(8) COMP SYNC**	Database-key lock limit for external request units.
02 ERU-CALL-LIMIT-170	**S9(8) COMP SYNC**	System service call limit for external request units.
02 ERU-DBIO-LIMIT-170	**S9(8) COMP SYNC**	Database I/O limit for external request units.
02 STG-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the primary storage pool.
02 STG-CUSHN-170	**S9(8) COMP SYNC**	Size, in K bytes, of the cushion for the primary storage pool.
02 PGM-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the program pool.
02 REENT-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the reentrant pool.
02 XA-PROGRAM-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the 31-bit program pool for OS/390 systems.
02 XA-REENTRANT-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the 31-bit reentrant pool for OS/390 systems.
02 XA-STORAGE-POOL-170	**S9(8) COMP SYNC**	Size, in K bytes, of the XA storage pool.
02 FILLER	**X(28) DISPLAY**	
02 PUB-ACCESS-FLAG-170	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 LOADLIST-NAME-170	**X(8) DISPLAY**	Loadlist name.
02 REL-THRESH-PCT-170	**X(8) BIT**	Relocatable threshold percent.
02 AREA-ACQ-THRESH-170	**S9(4) COMP SYNC**	Area acquisition threshold
02 AREA-ACQ-RETRY-170	**S9(4) COMP SYNC**	Area acquisition retry count

Field	Picture	Description
02 JRNL-FRAG-INT-170	**S9(4) COMP SYNC**	Journal fragment interval.
02 JRNL-FRAG-LEVEL-170	**S9(4) COMP SYNC**	Journal transaction level.
02 SYSTEM-RUTA-170	**S9(4) COMP SYNC**	Number of system run units.
02 DEDICATED-ERUS-170	**S9(4) COMP SYNC**	Number of dedicated external request units.
02 QUIESCE-WAIT-170	**S9(4) COMP SYNC**	Quiesce wait time in wall clock seconds.
02 FILLER	**X(44) DISPLAY**	

3.159 SYSMOD-154

Description: SYSMOD-154 is a junction record that relates a module to a system in which the module participates. The CA-ADS application compiler uses SYSMOD-154 occurrences to relate application functions to applications.

Record length: 40

Established by: IDD DDDL compiler, CA-ADS application compiler

Member of: MODULE-SYSMOD, SYS-SYSMOD

Location mode: VIA set SYS-SYSMOD

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-154	**X(40) DISPLAY**	User-supplied junction text.

3.160 SYSNEST-043

Description: SYSNEST-043 is the nesting junction record for the SYS-041 record type.

►► For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler

Member of: SYSNEST-EXPL, SYSNEST-IMPL

Location mode: VIA set SYSNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-043	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-043	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(4) DISPLAY**	

3.161 TASK-025

Description: Occurrences of the TASK-025 record type represent tasks.

Record length: 200

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: TASK-TASKATTR, TASK-TASKCMT, TASK-TASKLST, TASK-USERTASK

Member of: OOAK-TASK

Location mode: CALC using TASK-NAME-025

Within area: DDLDML

Field	Picture	Description
02 TASK-NAME-025	X(8) DISPLAY	Task name.
02 TASK-VER-025	S9(4) COMP SYNC	Task version number.
02 BUILDER-025	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	X(1) DISPLAY	
02 DESCR-025	X(40) DISPLAY	Task description.
02 DATE-LU-025	X(8) DISPLAY	Date last updated.
02 DATE-CREATED-025	X(8) DISPLAY	Date established.
02 PREP-BY-025	X(8) DISPLAY	User who added the task.
02 REV-BY-025	X(8) DISPLAY	User who last updated the task.
02 FILLER	X(1) DISPLAY	
02 PRIORITY-025	X(8) BIT	Task priority.

Field	Picture	Description
02 INACT-INT-025	**S9(4) COMP SYNC**	Inactive interval, in wall-clock seconds. If this field contains -1, the task will not be terminated based on an inactive interval.
02 PROG-VER-025	**S9(4) COMP SYNC**	Version number of the program invoked by the task.
02 PROG-NAME-025	**X(8) DISPLAY**	Name of the program invoked by the task.
02 TASK-FLAG-025	**X(8) BIT**	Task flag. X'80' — NOINPUT (data is not transmitted with the task code) X'40' — MAP (a mapout is performed automatically when the task is initiated) X'20' — INTERNAL TASK (the task is invoked internally) X'10' — DISABLED (the task is disabled) X'02' — SAVE TERMINAL OUTPUT (screen contents associated with the task are saved before an immediate-write datastream is written to the terminal) X'01' — STORAGE LOCATION IS ANY (programs that run under the task can reside anywhere in the DC/UCF region and can use either 24-bit or 31-bit addressing)
02 AID-EQ-025	**X(1) DISPLAY**	AID value for the control key used to print screen contents. -1 — A print key was not specified 0 — The system default print key is used
02 RSC-STALL-025	**S9(4) COMP SYNC**	Resource timeout interval. -1 — The task will not be terminated based on a resource timeout interval 0 — The system default resource timeout interval is used
02 RSC-PGNM-025	**X(8) DISPLAY**	Resource timeout program name.
02 RSC-VER-025	**S9(4) COMP SYNC**	Resource timeout program version number.
02 STG-LIMIT-025	**S9(8) COMP SYNC**	Storage limit, in K bytes.
02 CPU-LIMIT-025	**S9(8) COMP SYNC**	Unused.

Field	Picture	Description
02 TIME-LIMIT-025	**S9(8) COMP SYNC**	Unused.
02 LOCK-LIMIT-025	**S9(8) COMP SYNC**	Database-key lock limit.
02 CALL-LIMIT-025	**S9(8) COMP SYNC**	System service call limit.
02 DBIO-LIMIT-025	**S9(8) COMP SYNC**	Database I/O limit.
02 PUB-ACCESS-FLAG-025	**X(8) BIT**	Public access flag. (For values, see 2.2, "Common data fields" on page 2-4.)
02 FILLER	**X(1) DISPLAY**	
02 USER-COUNT-025	**S9(4) COMP SYNC**	Count of users registered for all.
02 UMBRELLA-TASK-CODE-025	**X(8) DISPLAY**	Task code used to initiate the task under the transfer control facility (TCF).
02 TASKS-PRODUCT-CODE-025	**X(8) DISPLAY**	Product code.
02 UMBRELLA-TASK-VERSION-025	**S9(4) COMP SYNC**	Version number of the task code used to initiate the task under the transfer control facility (TCF).
02 MAX-TASKS-025	**S9(4) COMP SYNC**	Number of maximum concurrent tasks allowed.
02 TASK-FLAG2-025	**X(8) BIT**	Flag byte 2. X'80' — Use exception response protocol
02 FILLER	**X(1) DISPLAY**	
02 AREA-ACQ-THRESH-025	**S9(4) COMP SYNC**	Area acquisition threshold. If this value is -1, the system value for area acquisition threshold is used.
02 AREA-ACQ-RETRY-025	**S9(4) COMP SYNC**	Area acquisition retry count.
02 EXT-WAIT-025	**S9(4) COMP SYNC**	External wait time in wall clock seconds.
02 QUIESCE-WAIT-025	**S9(4) COMP SYNC**	Quiesce wait time in wall clock seconds.
02 FILLER	**X(30) DISPLAY**	

3.162 TASKATTR-112

Description: TASKATTR-112 is the attribute junction record for the TASK-025 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, TASK-TASKATTR

Location mode: VIA set TASK-TASKATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-112	**X(40) DISPLAY**	User-supplied junction text.

3.163 TASKCMT-096

Description: TASKCMT-096 is the comment record associated with the TASK-025 record type.

►► For a discussion of comment records, see 2.3, "Comment records" on page 2-7.

Record length: 108

Established by: IDD DDDL compiler

Member of: TASK-TASKCMT

Location mode: VIA set TASK-TASKCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-096	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-096	**DISPLAY**	
03 CMT-INFO-096	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-096	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.164 TASKLST-023

Description: TASKLST-023 is a junction record that relates a task to a system in which the task participates. TASKLST-023 is also used to relate a task to the program invoked by the task and to the queues that initiate the task to process queue records.

Record length: 120

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Owner of: TASKLST-QUEUELST

Member of: PROGLST-TASKLST, SYS-TASKLST, TASK-TASKLST

Location mode: VIA set SYS-TASKLST

Within area: DDLDML

Field	Picture	Description
02 TASK-NAME-023	X(8) DISPLAY	Task name.
02 BUILDER-023	X(1) DISPLAY	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 ACTION-CODE-023	X(1) DISPLAY	Action code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 TASK-VER-023	S9(4) COMP SYNC	Task version number.
02 INACT-INT-023	S9(4) COMP SYNC	Inactive interval, in wall-clock seconds. If this field contains -1, the task will not be terminated based on an inactive interval.
02 FILLER	X(1) DISPLAY	
02 PRIORITY-023	X(8) BIT	Task priority.

Field	Picture	Description
02 TASK-FLAG-023	**X(8) BIT**	Task flag.
		X'80' — NOINPUT (data is not transmitted with the task code) X'40' — MAP (a mapout is performed automatically when the task is initiated) X'20' — INTERNAL TASK (the task is invoked internally) X'10' — DISABLED (the task is disabled) X'02' — SAVE TERMINAL OUTPUT (screen contents associated with the task are saved before an immediate-write datastream is written to the terminal) X'01' — STORAGE LOCATION IS ANY (programs that run under the task can reside anywhere in the DC/UCF region and can use either 24-bit or 31-bit addressing)
02 AID-EQ-023	**X(1) DISPLAY**	AID value for the control key used to print screen contents.
		-1 — A print key was not specified 0 — The system default print key is used
02 RSC-STALL-023	**S9(4) COMP SYNC**	Resource timeout interval.
		-1 — The task will not be terminated based on a resource timeout interval 0 — The system default resource timeout interval is used
02 RSC-PGNM-023	**X(8) DISPLAY**	Resource timeout program name.
02 RSC-VER-023	**S9(4) COMP SYNC**	Resource timeout program version number.
02 FILLER	**X(2) DISPLAY**	
02 STG-LIMIT-023	**S9(8) COMP SYNC**	Storage limit, in K bytes.
02 CPU-LIMIT-023	**S9(8) COMP SYNC**	Unused.
02 TIME-LIMIT-023	**S9(8) COMP SYNC**	Unused.
02 LOCK-LIMIT-023	**S9(8) COMP SYNC**	Database-key lock limit.

Field	Picture	Description
02 CALL-LIMIT-023	**S9(8) COMP SYNC**	System service call limit.
02 DBIO-LIMIT-023	**S9(8) COMP SYNC**	Database I/O limit.
02 UMBRELLA-TASK-CODE-023	**X(8) DISPLAY**	Task code used to initiate the task under the transfer control facility (TCF).
02 TASKS-PRODUCT-CODE-023	**X(8) DISPLAY**	Product code.
02 UMBRELLA-TASK-VERSION-023	**S9(4) COMP SYNC**	Version number of the task code used to initiate the task under the transfer control facility (TCF).
02 MAX-TASKS-023	**S9(4) COMP SYNC**	Maximum number of concurrent tasks allowed.
02 TASK-FLAG2-023	**X(8) BIT**	Flag byte 2. X'80' — Use exception response protocol
02 FILLER	**X(1) DISPLAY**	
02 AREA-ACQ-THRESH-023	**S9(4) COMP SYNC**	Area acquisition threshold. If this value is -1, the system value for area acquisition threshold is used.
02 AREA-ACQ-RETRY-023	**S9(4) COMP SYNC**	Area acquisition retry count.
02 EXT-WAIT-023	**S9(4) COMP SYNC**	External wait time in wall clock seconds.
02 QUIESCE-WAIT-023	**S9(4) COMP SYNC**	Quiesce wait time in wall clock seconds.
02 FILLER	**X(34) DISPLAY**	

3.165 TEXT-088

Description: The TEXT-088 record type is used to store module and qfile source code. Each TEXT-088 occurrence contains one source line.

Record length: 84

Established by: IDD DDDL compiler, ASF, CA-OLQ

Member of: MODULE-TEXT

Location mode: VIA set MODULE-TEXT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-088	**S9(8) COMP SYNC**	Source line sequence number.
02 SOURCE-088	**X(80) DISPLAY**	Source line.

3.166 USER-047

Description: Occurrences of the USER-047 record type represent users.

Record length: 252

Established by: IDD DDDL compiler, schema compiler

Owner of: USER-ACCESS, USER-ATTRUSER, USER-CATENTRY, USER-USERATTR, USER-USERCMT, USER-USERDEST, USER-USERDST, USER-USERELEM, USER-USERFILE, USER-USERLINE, USER-USERLTRM, USER-USERMAP, USER-USERMOD, USER-USERPANEL, USER-USERPROG, USER-USERPTRM, USER-USERQUEUE, USER-USERRCD, USER-USERSCHEMA, USER-USERSS, USER-USERSYS, USER-USERTASK, USERNEST-EXPL, USERNEST-IMPL

Member of: OOAK-USER

Location mode: CALC using USER-NAME-047

Within area: DDLDML

Field	Picture	Description
02 USER-NAME-047	**X(32) DISPLAY**	User name.
02 ALT-NAME-047	**X(32) DISPLAY**	Alternate name. The value in this field is supplied either by the FULL NAME parameter of the IDD DDDL USER statement or by the ALIAS parameter of the system generation USER statement.
02 DESCR-047	**X(40) DISPLAY**	User description.
02 PASSWORD-047	**X(8) DISPLAY**	Password. The value in this field is encrypted using a nonreversible algorithm.
02 OLQ-RESTRICT-1-047	**DISPLAY**	CA-OLQ restrictions group.
03 OLQ-QFILE-047	**X(1) DISPLAY**	— CA-OLQ qfiles execute flag. — 0 — Qfile execution not allowed 1 — Qfile execution allowed 2 — CA-OLQ access allowed in menu mode only

Field	Picture	Description
03 OLQ-SORT-047	**X(1)** **DISPLAY**	CA-OLQ SORT flag. 0 — Not allowed to use the CA-OLQ SORT command 1 — Allowed to use the CA-OLQ SORT command
03 OLQ-MRR-047	**X(1)** **DISPLAY**	CA-OLQ multiple record retrieval command flag. 0 — Retrieval of multiple occurrences with one command not allowed 1 — Retrieval of multiple occurrences with one command allowed
03 OLQ-INTERRUPT-047	**X(1)** **DISPLAY**	CA-OLQ interrupt option flag. 0 — CA-OLQ processing interrupt feature is optional 1 — CA-OLQ processing interrupt feature is mandatory
02 PERSON-OLQ-047	**DISPLAY** **REDEFINES** **OLQ-** **RESTRICT-1** **-047**	CA-OLQ restrictions.
03 QFILE-ALLOWED-047	**X(1)** **DISPLAY**	Qfile execution indicator. 0 — Qfile execution not allowed 1 — Qfile execution allowed 2 — CA-OLQ access allowed in menu mode only
03 SORT-ALLOWED-047	**X(1)** **DISPLAY**	SORT command indicator. 0 — Not allowed to use the CA-OLQ SORT command 1 — Allowed to use the CA-OLQ SORT command
03 MRR-ALLOWED-047	**X(1)** **DISPLAY**	Multiple record indicator. 0 — Retrieval of multiple occurrences with one command not allowed 1 — Retrieval of multiple occurrences with one command allowed
03 INT-MANDATORY-047	**X(1)** **DISPLAY**	Interrupt option indicator. 0 — CA-OLQ interrupt processing is optional 1 — CA-OLQ interrupt processing is manda-tory

Field	Picture	Description
02 DEFAULT-OPTIONS-047	**BIT**	Default options for the user.
03 DEF-OPTIONS-1-047	**X(8) BIT**	Default options — group 1.
		X'80' — OLQ header X'40' — NO INTERRUPT X'20' — WHOLE (PARTIAL if not set) X'10' — FULL (SPARSE if not set) X'08' — FILLER X'04' — ECHO X'02' — HEADER X'01' — ALL (NONE if not set)
03 OLQ-OPTIONS-047	**X(8) BIT REDEFINES DEF-OPTIONS-1-047**	
03 DEF-OPTIONS-2-047	**X(8) BIT**	Default options — group 2.
		X'80' — COMMENTS X'40' — PATH STATUS X'10' — CODE TABLE X'08' — EXTERNAL PICTURE X'04' — VERBOSE (TERSE if not set)
03 DEF-OPTIONS-3-047	**X(8) BIT**	Unused.
03 DEF-OPTIONS-4-047	**X(8) BIT**	Unused.
02 BUILDER-047	**X(1) DISPLAY**	Builder code. (For values, see 2.2, "Common data fields" on page 2-4.)
02 USER-AUTH-047	**X(8) BIT**	User's IDD authority.
		X'FF' — All X'80' — IDD signon X'40' — IDB access X'80' — ASF access
02 DATE-LU-047	**X(8) DISPLAY**	Date last updated.
02 DATE-CREATED-047	**X(8) DISPLAY**	Date established.
02 PREP-BY-047	**X(8) DISPLAY**	User who added the user.
02 REV-BY-047	**X(8) DISPLAY**	User who last updated the user.

Field	Picture	Description
02 CULPRIT-OVERRIDES-047	**X(1)** **DISPLAY**	
88 **CULP-OVERRIDE-NOT-ALLOW-047**	**COND** **VALUE '0'**	
88 **CULP-OVERRIDE-ALLOWED-047**	**COND** **VALUE '1'**	
02 OVERRIDES-ALLOWED-047	**X(1)** **DISPLAY** **REDEFINES** **CULPRIT-** **OVERRIDES-** **047**	CA-CULPRIT overrides indicator. 1 — User can code CA-CULPRIT file attributes and REC parameters. 0 — User cannot code CA-CULPRIT file attributes and REC parameters.
02 OLQ-RESTRICT-2-047	**DISPLAY**	CA-OLQ restrictions group.
03 MENU-MODE-047	**X(1)** **DISPLAY**	Menu mode indicator.
88 **MENU-NOT-ALLOWED-047**	**COND** **VALUE '0'**	
88 MENU-ALLOWED-047	**COND** **VALUE '1'**	
88 MENU-ONLY-047	**COND** **VALUE '2'**	
03 QFILE-SAVE-047	**X(1)** **DISPLAY**	Qfile save indicator.
88 **SAVE-NOT-ALLOWED-047**	**COND** **VALUE '0'**	
88 SAVE-ALLOWED-047	**COND** **VALUE '1'**	
03 OLQ-SQL-047	**X(1)** **DISPLAY**	CA-OLQ access indicator. 0 — CA-OLQ access (non-SQL defined tables) 1 — CA-IDMS access (SQL-defined tables)
03 **OLQ-SQL-COMPLIANCE-047**	**X(1)** **DISPLAY**	SQL compliance flag. (Reserved for future use)
03 FILLER	**X(4)** **DISPLAY**	
02 PERSON-OLQ-2-047	**DISPLAY**	CA-OLQ restrictions.

Field	Picture	Description
02 ENTITY-TYPE-AUTH-047	**BIT**	Flag bytes for product and entity-type authority. The value in each byte indicates the function that the user can perform for the corresponding product or entity: X'7F' — UPDATE X'40' — ADD X'20' — MODIFY X'10' — REPLACE X'08' — DELETE X'01' — DISPLAY X'00' — NONE If a user is assigned AUTHORITY FOR UPDATE IS ALL, every flag byte for product and entity-type authority will contain X'7F'.
03 AUTH-PASSWORD-047	**X(8) BIT**	Password authorization.
03 AUTH-CULPRIT-047	**X(8) BIT**	CA-CULPRIT authorization.
03 AUTH-OLQ-047	**X(8) BIT**	CA-OLQ authorization.
03 AUTH-ADS-047	**X(8) BIT**	CA-ADS authorization.
03 AUTH-LOAD-MODULE-047	**X(8) BIT**	Load module authorization.
03 AUTH-IDMS-047	**BIT**	Flag bytes for CA-IDMS/DB authorization.
04 AUTH-SCHEMA-047	**X(8) BIT**	CA-IDMS/DB schema authorization.
04 AUTH-SS-047	**X(8) BIT**	CA-IDMS/DB subschema authorization.
04 AUTH-DMCL-047	**X(8) BIT**	(Unused for CA-IDMS Release 12.0)
04 AUTH-AVAIL-IDMS-1-047	**X(8) BIT**	Unused.
04 AUTH-AVAIL-IDMS-2-047	**X(8) BIT**	Unused.
03 AUTH-CLASS-ATTR-047	**BIT**	Flag bytes for class and attribute authorization.
04 AUTH-CLASS-047	**X(8) BIT**	Class authorization.
04 AUTH-ATTR-047	**X(8) BIT**	Attribute authorization.
03 AUTH-IDD-047	**BIT**	Flag bytes for IDD authorization.
04 AUTH-ELEMENT-047	**X(8) BIT**	Element authorization.
04 AUTH-FILE-047	**X(8) BIT**	File authorization.
04 AUTH-MODULE-047	**X(8) BIT**	Module authorization.
04 AUTH-PROCESS-047	**X(8) BIT**	Process authorization.

Field	Picture	Description
04 AUTH-QFILE-047	X(8) BIT	Qfile authorization.
04 AUTH-TABLE-047	X(8) BIT	Table authorization.
04 AUTH-PROGRAM-047	X(8) BIT	Program authorization.
04 AUTH-ENTRY-PT-047	X(8) BIT	Entry point authorization.
04 AUTH-RECORD-047	X(8) BIT	Record authorization.
04 AUTH-REPORT-047	X(8) BIT	Report authorization.
04 AUTH-TRANSACTION-047	X(8) BIT	Transaction authorization.
04 AUTH-SYSTEM-047	X(8) BIT	System authorization.
04 AUTH-USER-047	X(8) BIT	User authorization.
04 AUTH-AVAIL-IDD-1-047	X(8) BIT	Unused.
04 AUTH-AVAIL-IDD-2-047	X(8) BIT	Unused.
04 AUTH-AVAIL-IDD-3-047	X(8) BIT	Unused.
03 AUTH-DC-047	BIT	Flag bytes for teleprocessing entity authorization.
04 AUTH-DESTINATION-047	X(8) BIT	Destination authorization.
04 AUTH-LINE-047	X(8) BIT	Line authorization.
04 AUTH-LTERM-047	X(8) BIT	Logical terminal authorization.
04 AUTH-MAP-047	X(8) BIT	Map authorization.
04 AUTH-MESSAGE-047	X(8) BIT	Message authorization.
04 AUTH-PANEL-047	X(8) BIT	Panel authorization.
04 AUTH-PTERM-047	X(8) BIT	Physical terminal authorization.
04 AUTH-QUEUE-047	X(8) BIT	Queue authorization.
04 AUTH-TASK-047	X(8) BIT	Task authorization.
04 AUTH-AVAIL-DC-1-047	X(8) BIT	Unused.
04 AUTH-AVAIL-DC-2-047	X(8) BIT	Unused.
04 AUTH-AVAIL-DC-3-047	X(8) BIT	Unused.
02 DEF-PUBLIC-ACCESS-047	X(8) BIT	ASF default for public access.
02 MAP-TYPE-NAME-047	X(8) DISPLAY	The name of the alternate map table, if any, associated with the user.
02 FILLER	X(40) DISPLAY	Reserved.

3.167 USERATTR-064

Description: USERATTR-064 is the attribute junction record for the USER-047 record type.

►► For a discussion of attribute junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 40

Established by: IDD DDDL compiler

Member of: ATTR-JCT, USER-USERATTR

Location mode: VIA set USER-USERATTR

Within area: DDLDML

Field	Picture	Description
02 JCT-TEXT-064	**X(40) DISPLAY**	User-supplied junction text.

3.168 USERCMT-048

Description: USERCMT-048 is the comment record associated with the USER-047 record type.

►► For a discussion of comment records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 108

Established by: IDD DDDL compiler

Member of: USER-USERCMT

Location mode: VIA set USER-USERCMT

Within area: DDLDML

Field	Picture	Description
02 IDD-SEQ-048	**S9(8) COMP SYNC**	Comment line sequence number.
02 CMT-048	**DISPLAY**	
03 CMT-INFO-048	**X(50) DISPLAY OCCURS 2 TIMES**	Line of comment text.
02 CMT-ID-048	**S9(8) COMP SYNC**	Comment code. For reserved values, see 2.3, "Comment records" on page 2-7.

3.169 USERDEST-150

Description: USERDEST-150 is the user junction record that relates a DEST-028 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: DEST-USERDEST, USER-USERDEST

Location mode: VIA set DEST-USERDEST

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-150	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-150	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-150	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.170 USERDST-131

Description: USERDST-131 is a junction record that relates a user to a destination in which the user participates.

Record length: 36

Established by: IDD DDDL compiler, CA-IDMS system generation compiler

Member of: DESTLST-USERDST, USER-USERDST

Location mode: VIA set DESTLST-USERDST

Within area: DDLDML

Field	Picture	Description
02 USER-NAME-131	**X(32)** **DISPLAY**	User name.
02 FILLER	**X(4)** **DISPLAY**	

3.171 USERELEM-062

Description: USERELEM-062 is the user junction record that relates an INQ-058 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF

Member of: INQ-USERELEM, USER-USERELEM

Location mode: VIA set INQ-USERELEM

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-062	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-062	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-062	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.172 USERFILE-134

Description: USERFILE-134 is the user junction record that relates an SA-018 occurrence that represents an IDD file to the users that are registered or responsible for the occurrence.

▶▶ For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: SA-USERFILE, USER-USERFILE

Location mode: VIA set SA-USERFILE

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-134	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-134	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-134	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.173 USERLINE-115

Description: USERLINE-115 is the user junction record that relates a LINE-109 occurrence to the users that are registered or responsible for the occurrence.

▶▶ For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: LINE-USERLINE, USER-USERLINE

Location mode: VIA set LINE-USERLINE

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-115	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-115	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-115	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.174 USERLTRM-149

Description: USERLTRM-149 is the user junction record that relates an LTRM-106 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: LTRM-USERLTRM, USER-USERLTRM

Location mode: VIA set LTRM-USERLTRM

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-149	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-149	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-149	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.175 USERMAP-137

Description: USERMAP-137 is the user junction record that relates a MAP-098 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF

Member of: MAP-USERMAP, USER-USERMAP

Location mode: VIA set MAP-USERMAP

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-137	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-137	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-137	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.176 USERMOD-136

Description: USERMOD-136 is the user junction record that relates a MODULE-067 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF, CA-OLQ

Member of: MODULE-USERMOD, USER-USERMOD

Location mode: VIA set MODULE-USERMOD

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-136	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-136	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-136	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.177 USERNEST-035

Description: USERNEST-035 is the nesting junction record for the USER-047 record type.

▶▶ For a discussion of nesting junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 48

Established by: IDD DDDL compiler

Member of: USERNEST-EXPL, USERNEST-IMPL

Location mode: VIA set USERNEST-EXPL

Within area: DDLDML

Field	Picture	Description
02 NEST-CODE-035	**S9(8) COMP SYNC**	Nest code. For reserved values, see 2.6, "Nests" on page 2-11.
02 JCT-TEXT-035	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(4) DISPLAY**	

3.178 USERPANEL-153

Description: USERPANEL-153 is the user junction record that relates a PANEL-118 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF

Member of: PANEL-USERPANEL, USER-USERPANEL

Location mode: VIA set PANEL-USERPANEL

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-153	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-153	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-153	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.179 USERPROG-135

Description: USERPROG-135 is the user junction record that relates a PROG-051 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF

Member of: PROG-USERPROG, USER-USERPROG

Location mode: VIA set PROG-USERPROG

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-135	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-135	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-135	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.180 USERPTRM-148

Description: USERPTRM-148 is the user junction record that relates a PTRM-074 occurrence to the users that are registered or responsible for the occurrence.

▶▶ For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: PTRM-USERPTRM, USER-USERPTRM

Location mode: VIA set PTRM-USERPTRM

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-148	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-148	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-148	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.181 USERQUEUE-151

Description: USERQUEUE-151 is the user junction record that relates a QUEUE-030 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: QUEUE-USERQUEUE, USER-USERQUEUE

Location mode: VIA set QUEUE-USERQUEUE

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-151	X(8) BIT	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-151	X(8) BIT	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-151	X(40) DISPLAY	User-supplied junction text.
02 FILLER	X(2) DISPLAY	

3.182 USERRCD-133

Description: USERRCD-133 is the user junction record that relates an SR-036 occurrence to the users that are registered or responsible for the occurrence.

▶▶ For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler, ASF

Member of: SR-USERRCD, USER-USERRCD

Location mode: VIA set SR-USERRCD

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-133	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-133	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-133	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.183 USERSCHEMA-182

Description: USERSCHEMA-182 is the user junction record that relates an S-010 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: Schema compiler

Member of: S-USERSCHEMA, USER-USERSCHEMA

Location mode: VIA set S-USERSCHEMA

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-182	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-182	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-182	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.184 USERSS-185

Description: USERSS-185 is the user junction record that relates an SS-026 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: Subschema compiler, ASF

Member of: SS-USERSS, USER-USERSS

Location mode: VIA set SS-USERSS

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-185	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-185	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-185	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.185 USERSYS-114

Description: USERSYS-114 is the user junction record that relates a SYS-041 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: SYS-USERSYS, USER-USERSYS

Location mode: VIA set SYS-USERSYS

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-114	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-114	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-114	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	

3.186 USERTASK-152

Description: USERTASK-152 is the user junction record that relates a TASK-025 occurrence to the users that are registered or responsible for the occurrence.

►► For a discussion of user junction records, see Chapter 2, "Structural Considerations" on page 2-1.

Record length: 44

Established by: IDD DDDL compiler

Member of: TASK-USERTASK, USER-USERTASK

Location mode: VIA set TASK-USERTASK

Within area: DDLDML

Field	Picture	Description
02 USER-AUTH-FLAG-152	**X(8) BIT**	User authorization flag. For values, see 2.5, "User junction records" on page 2-10.
02 USER-RESP-FLAG-152	**X(8) BIT**	User responsibility flag. For values, see 2.5, "User junction records" on page 2-10.
02 JCT-TEXT-152	**X(40) DISPLAY**	User-supplied junction text.
02 FILLER	**X(2) DISPLAY**	